

# **Appendix A**

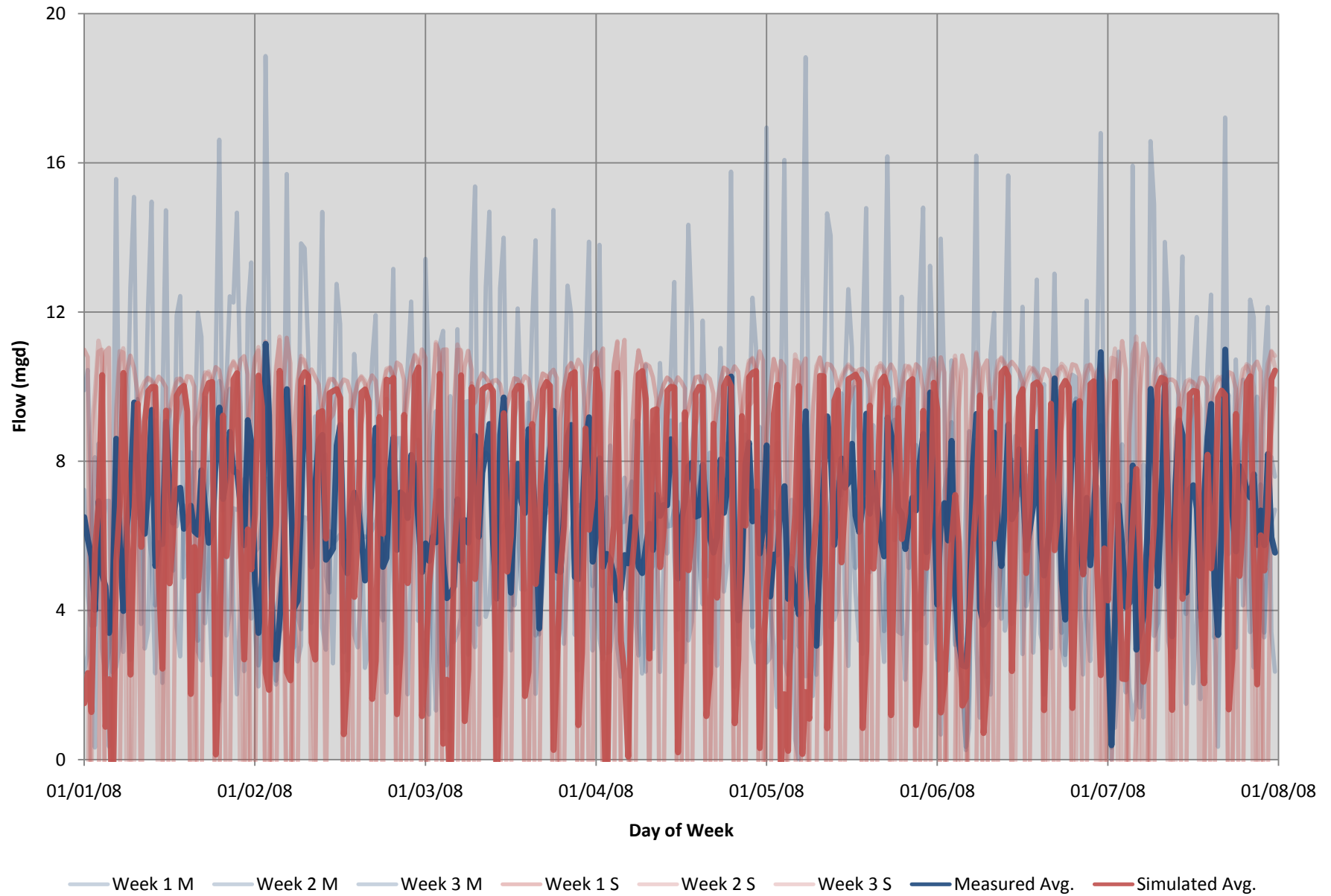
**Dry Weather Flow - Statistics and Calibration Plots**

LL01 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	11.06	11.11	11.10	11.09	9.77	9.75	17.06	12.19	-9.1%	20%	-10%
Average Flow	6.31	6.49	6.46	6.42	5.85	5.72	8.03	6.53	-1.8%	20%	-10%
Total Volume	44.14	45.45	45.19	44.93	40.94	40.04	56.21	45.73	-1.8%	20%	-10%

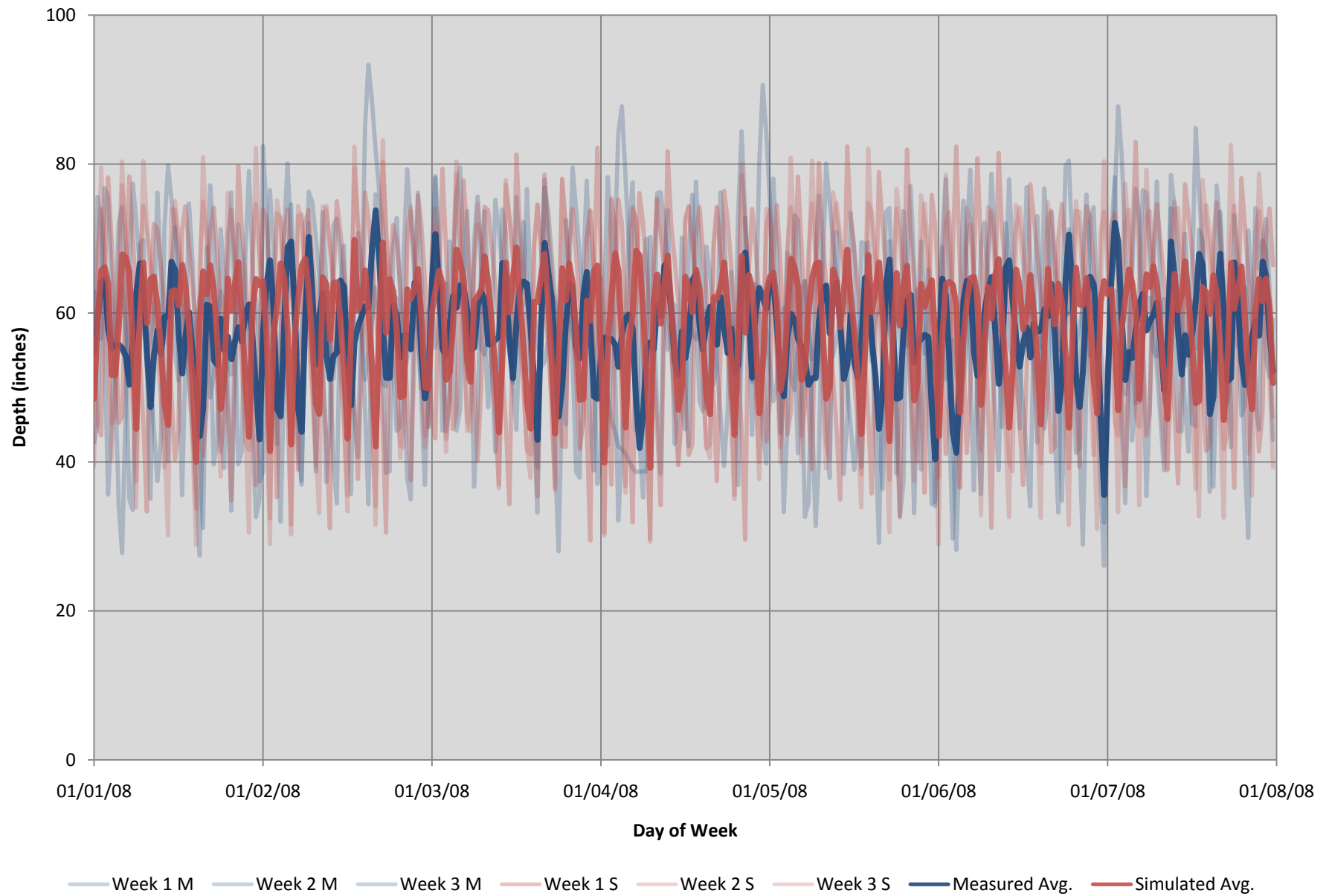
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	10.84	10.92	10.88	10.88	10.06	9.13	16.80	12.00
Monday	11.22	11.15	11.34	11.24	10.19	10.30	17.21	12.57
Tuesday	11.04	11.23	11.03	11.10	10.15	9.94	16.62	12.24
Wednesday	11.31	11.25	11.34	11.30	9.20	10.01	18.86	12.69
Thursday	10.99	11.19	11.14	11.11	8.55	9.75	15.37	11.22
Friday	11.25	11.19	11.22	11.22	10.58	9.10	15.77	11.82
Saturday	10.75	10.86	10.77	10.79	9.67	9.99	18.83	12.83

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

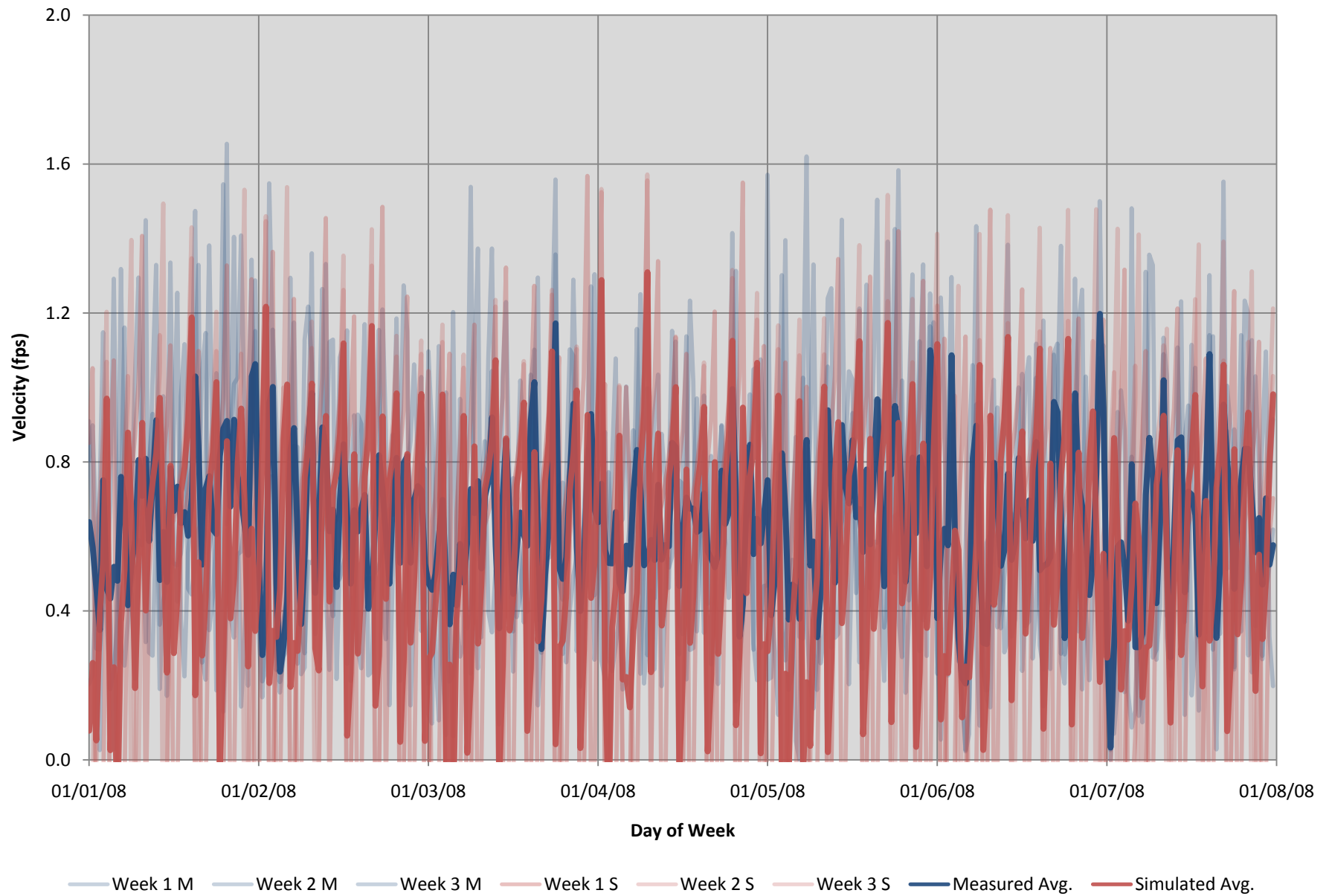
## LL01 DWF Calibration - Flow



## LL01 DWF Calibration - Depth



## LL01 DWF Calibration - Velocity

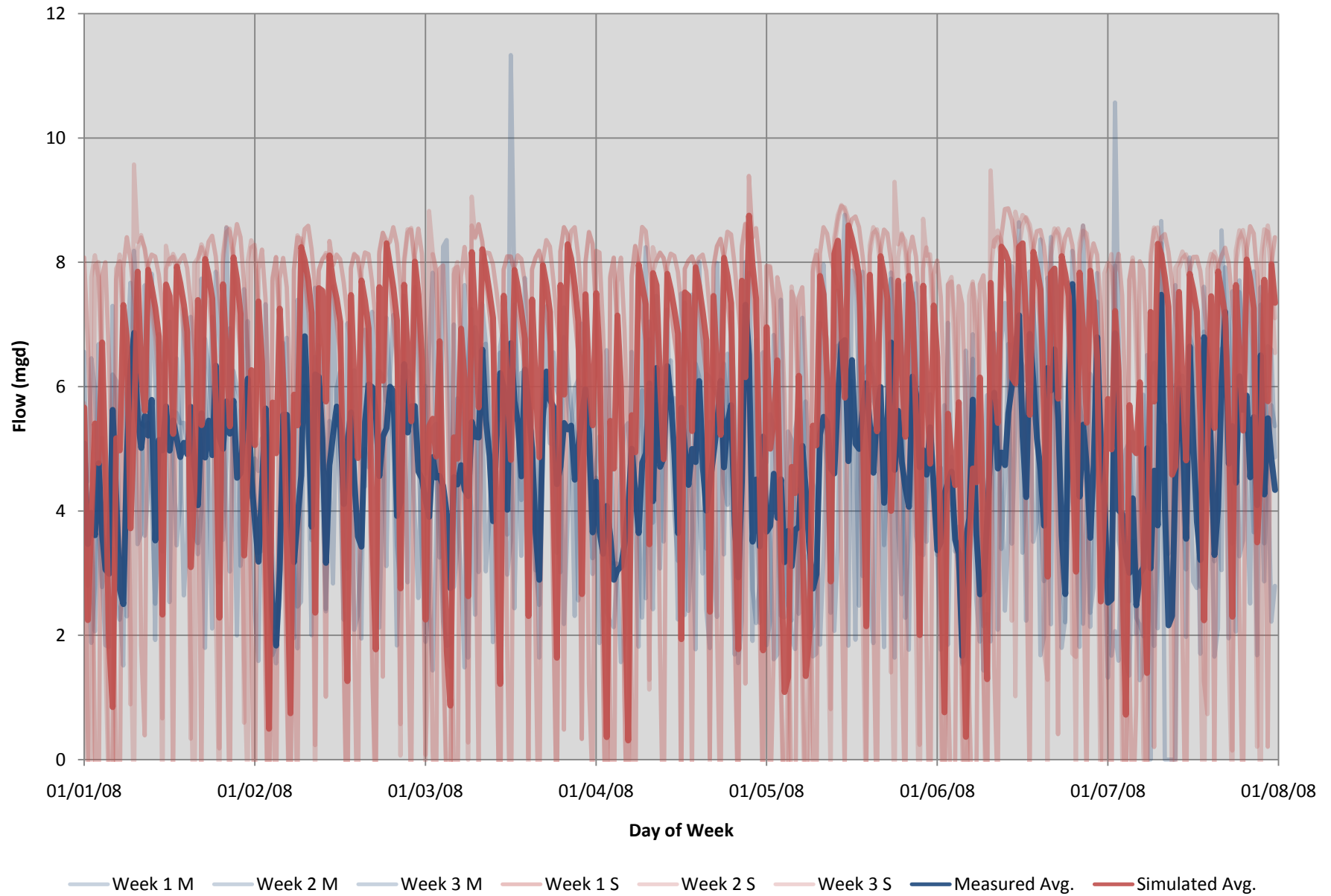


LL02 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	8.76	8.92	8.76	8.81	7.67	8.82	8.08	8.19	7.6%	20%	-10%
Average Flow	5.75	5.89	5.88	5.84	4.79	4.97	4.58	4.78	22.1%	20%	-10%
Total Volume	40.25	41.21	41.14	40.87	33.54	34.80	32.06	33.47	22.1%	20%	-10%

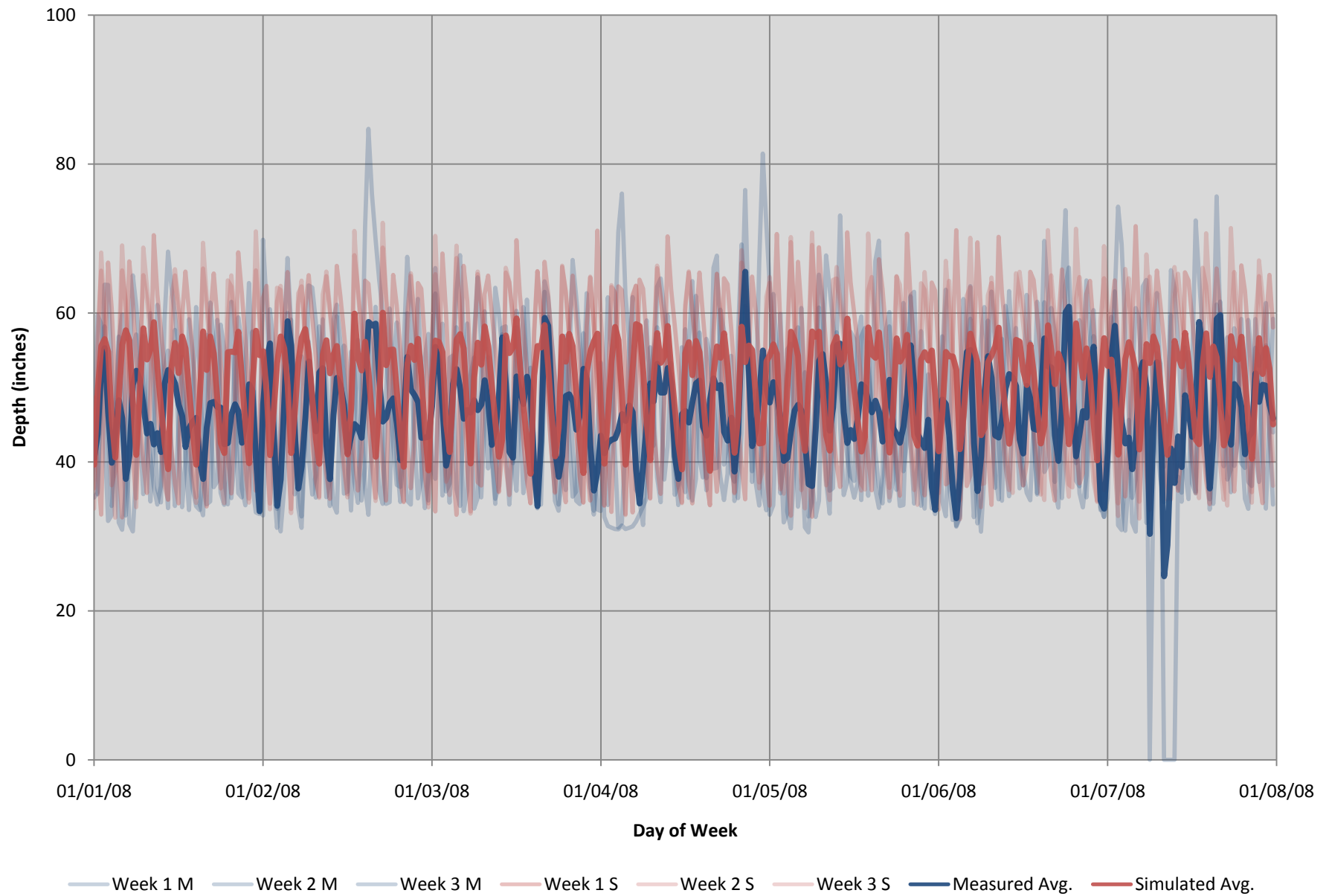
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	8.87	8.81	9.48	9.05	8.37	7.94	8.65	8.32
Monday	8.58	8.56	8.59	8.58	7.92	10.57	8.51	9.00
Tuesday	8.61	9.57	8.54	8.91	7.85	8.55	7.67	8.03
Wednesday	8.59	8.53	8.56	8.56	6.48	8.00	7.61	7.36
Thursday	8.56	9.06	8.61	8.74	6.96	11.33	7.32	8.54
Friday	9.39	8.62	8.61	8.87	8.24	7.50	8.01	7.92
Saturday	8.74	9.29	8.90	8.98	7.84	7.87	8.76	8.16

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL02 DWF Calibration - Flow

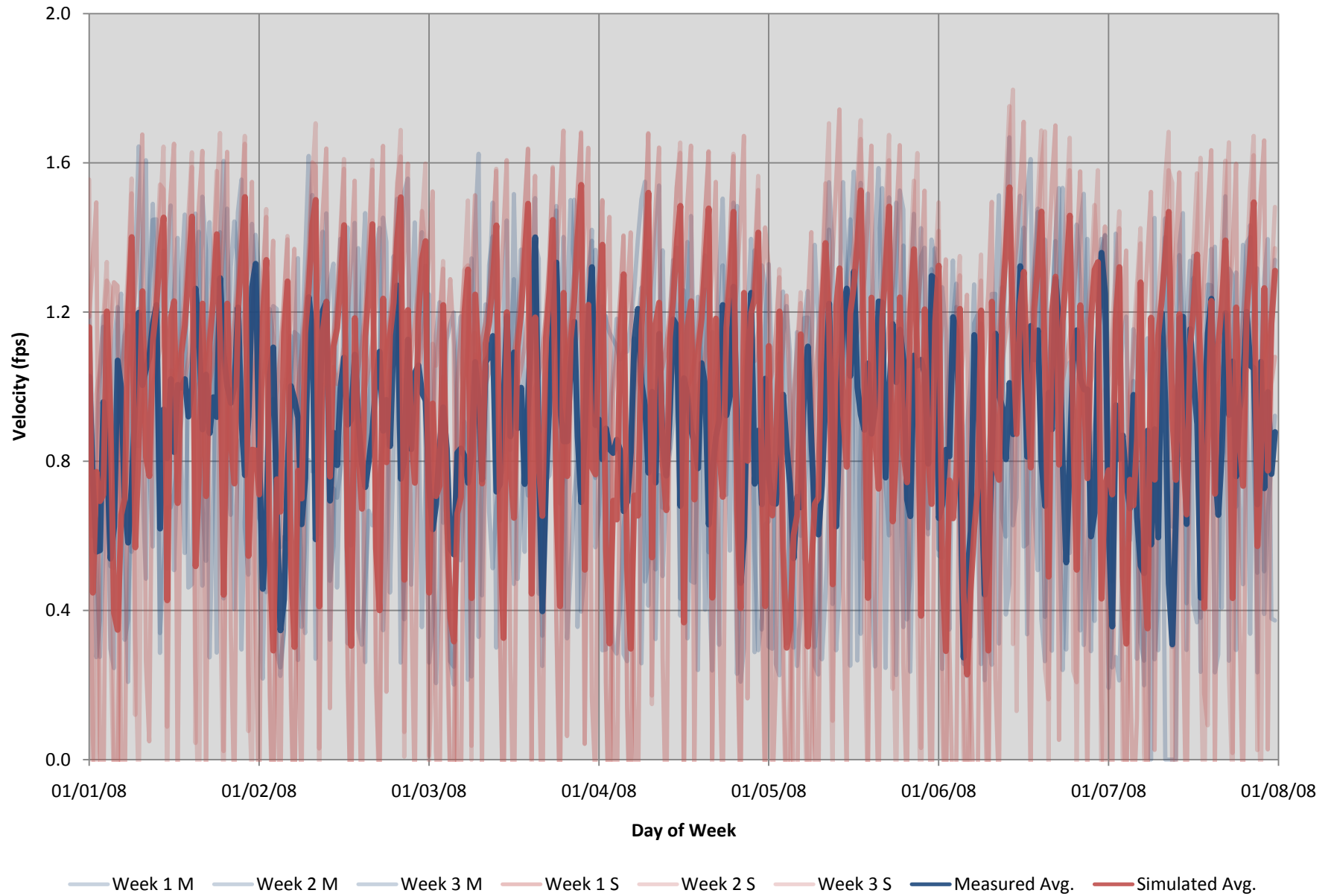


## LL02 DWF Calibration - Depth





## LL02 DWF Calibration - Velocity

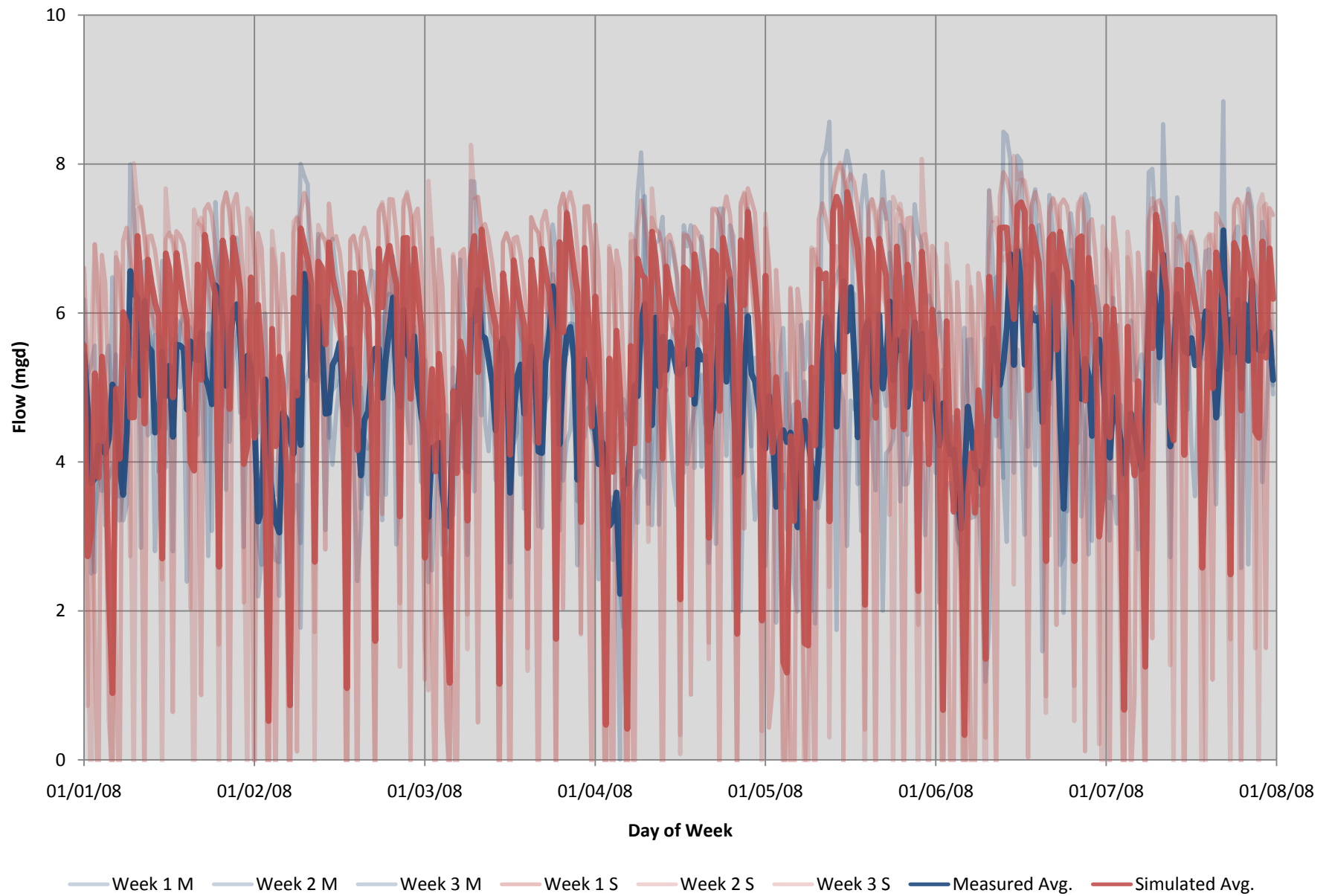


LL03 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	7.69	7.89	7.70	7.76	6.91	6.32	8.25	7.16	8.4%	20%	-10%
Average Flow	5.28	5.38	5.36	5.34	4.95	4.64	5.50	5.03	6.1%	20%	-10%
Total Volume	36.96	37.63	37.54	37.38	34.67	32.49	38.48	35.22	6.1%	20%	-10%

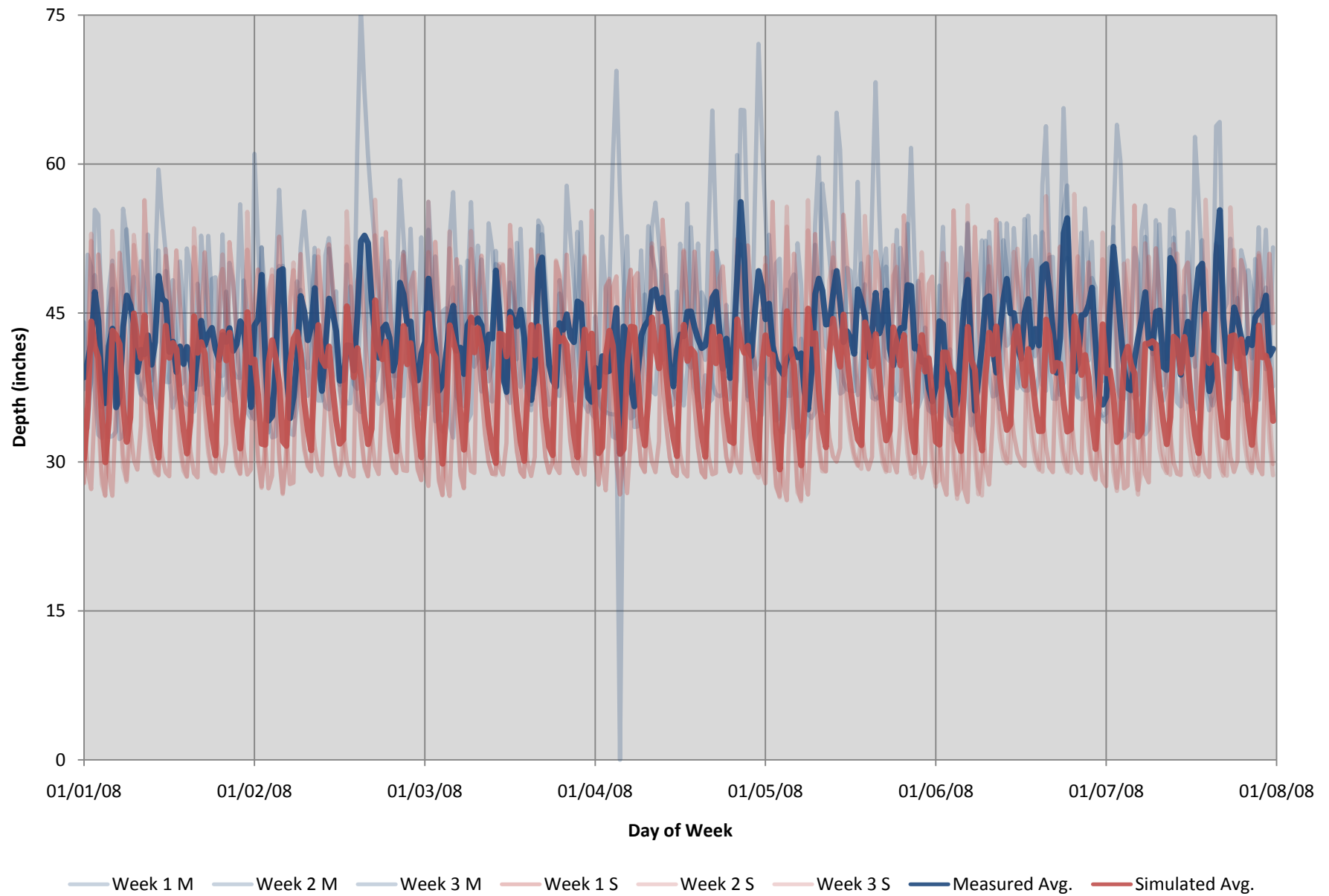
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	7.89	8.11	7.79	7.93	7.18	6.37	8.43	7.33
Monday	7.60	7.59	7.54	7.58	6.55	5.94	8.84	7.11
Tuesday	7.59	8.01	7.67	7.76	7.49	5.95	7.99	7.14
Wednesday	7.61	7.62	7.59	7.61	6.26	6.83	8.00	7.03
Thursday	7.62	8.26	7.60	7.83	6.53	6.72	7.77	7.00
Friday	7.67	7.67	7.62	7.65	7.57	6.57	8.15	7.43
Saturday	7.86	7.99	8.07	7.97	6.81	5.85	8.57	7.08

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

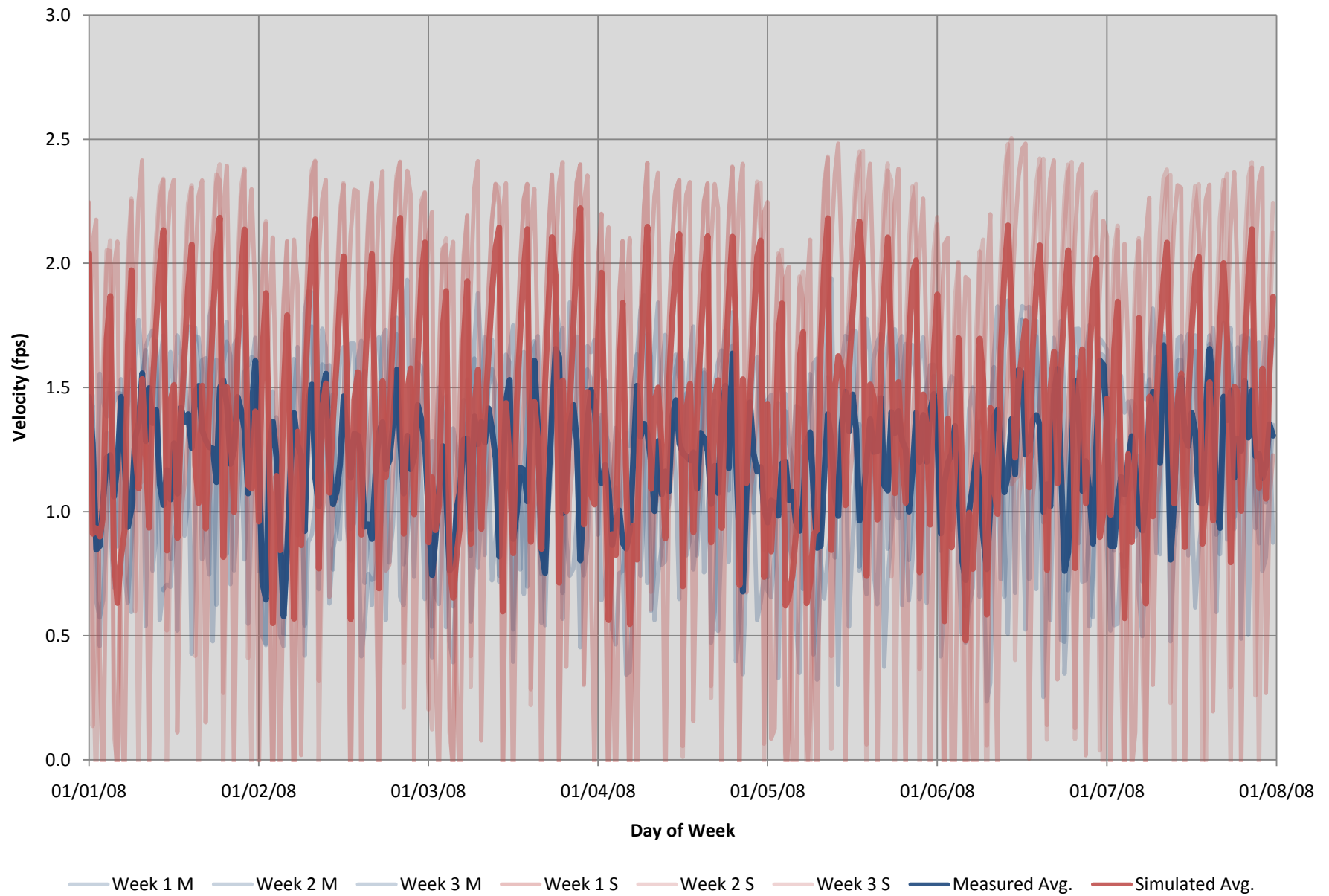
## LL03 DWF Calibration - Flow



## LL03 DWF Calibration - Depth



## LL03 DWF Calibration - Velocity

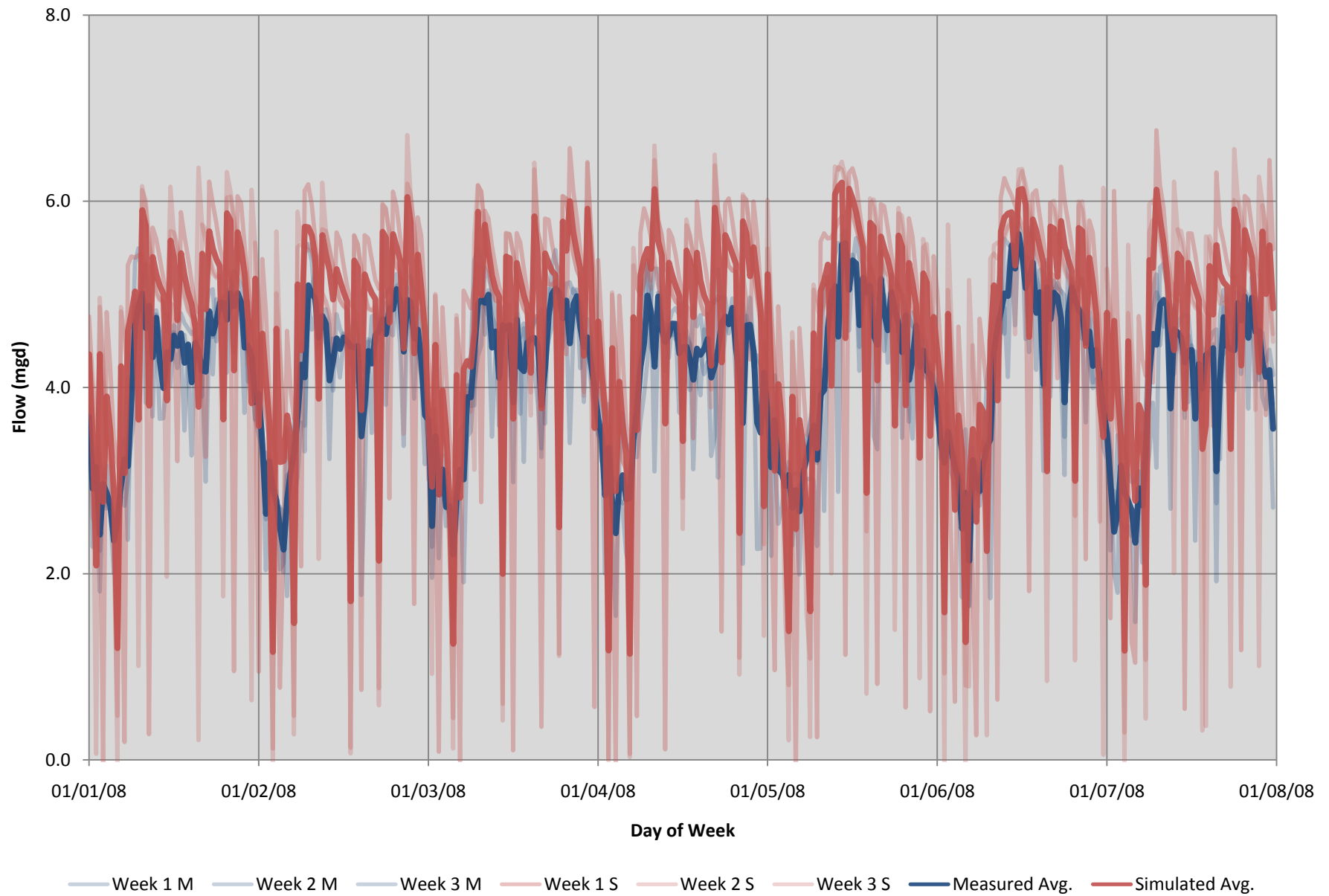


LL04 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	6.35	6.34	6.48	6.39	5.33	5.40	5.49	5.41	18.2%	20%	-10%
Average Flow	4.54	4.61	4.63	4.59	4.19	4.09	4.15	4.14	10.9%	20%	-10%
Total Volume	31.79	32.24	32.39	32.14	29.32	28.63	29.03	28.99	10.9%	20%	-10%

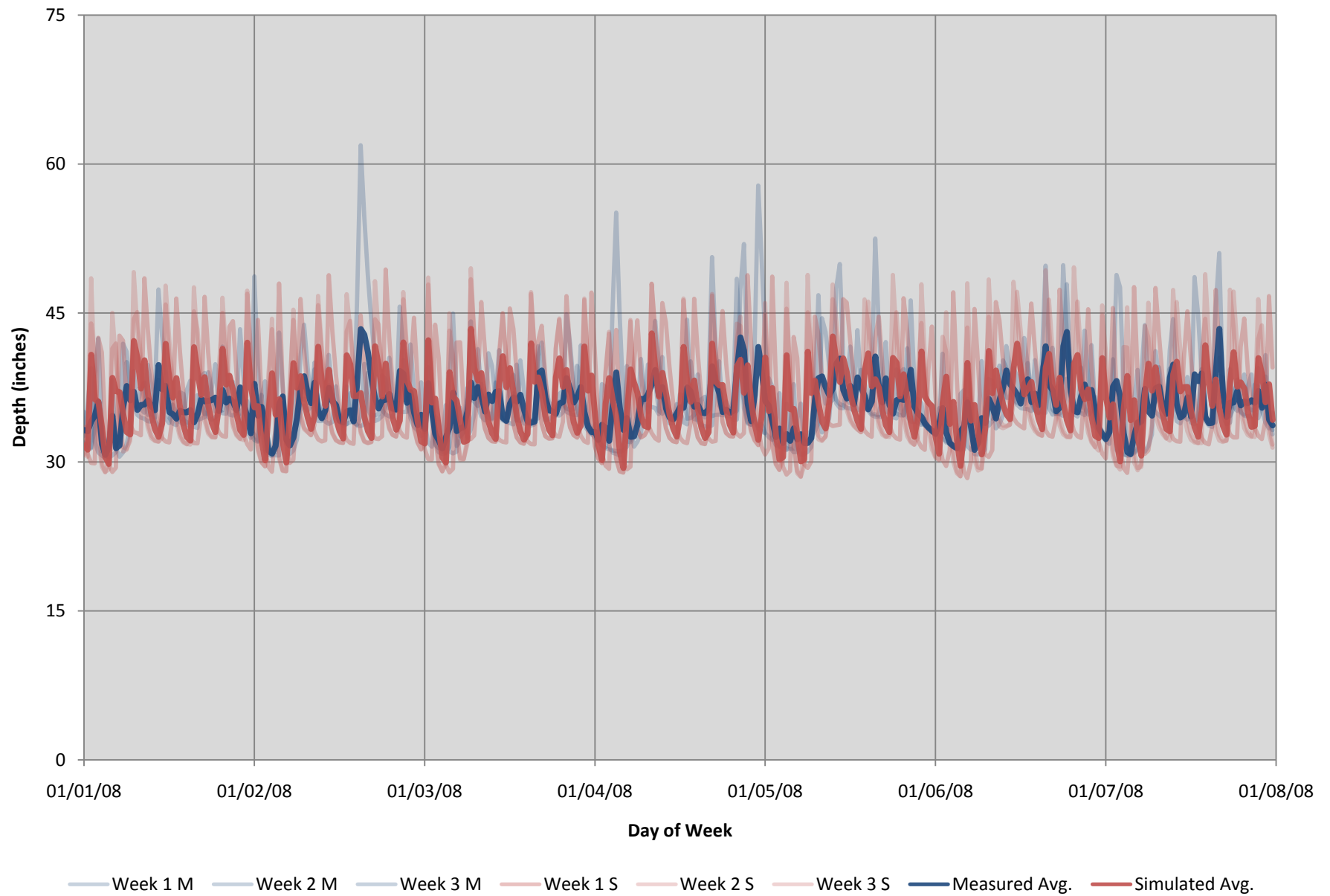
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	6.37	6.34	6.32	6.35	5.59	5.77	5.67	5.67
Monday	6.76	6.26	6.56	6.53	5.19	5.33	5.21	5.24
Tuesday	6.21	6.36	6.31	6.29	5.06	5.33	5.50	5.29
Wednesday	6.18	6.19	6.71	6.36	5.07	5.25	5.54	5.29
Thursday	6.57	6.42	6.41	6.47	5.48	5.28	5.49	5.42
Friday	6.03	6.44	6.60	6.36	5.37	5.28	5.32	5.32
Saturday	6.35	6.36	6.43	6.38	5.55	5.60	5.68	5.61

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL04 DWF Calibration - Flow

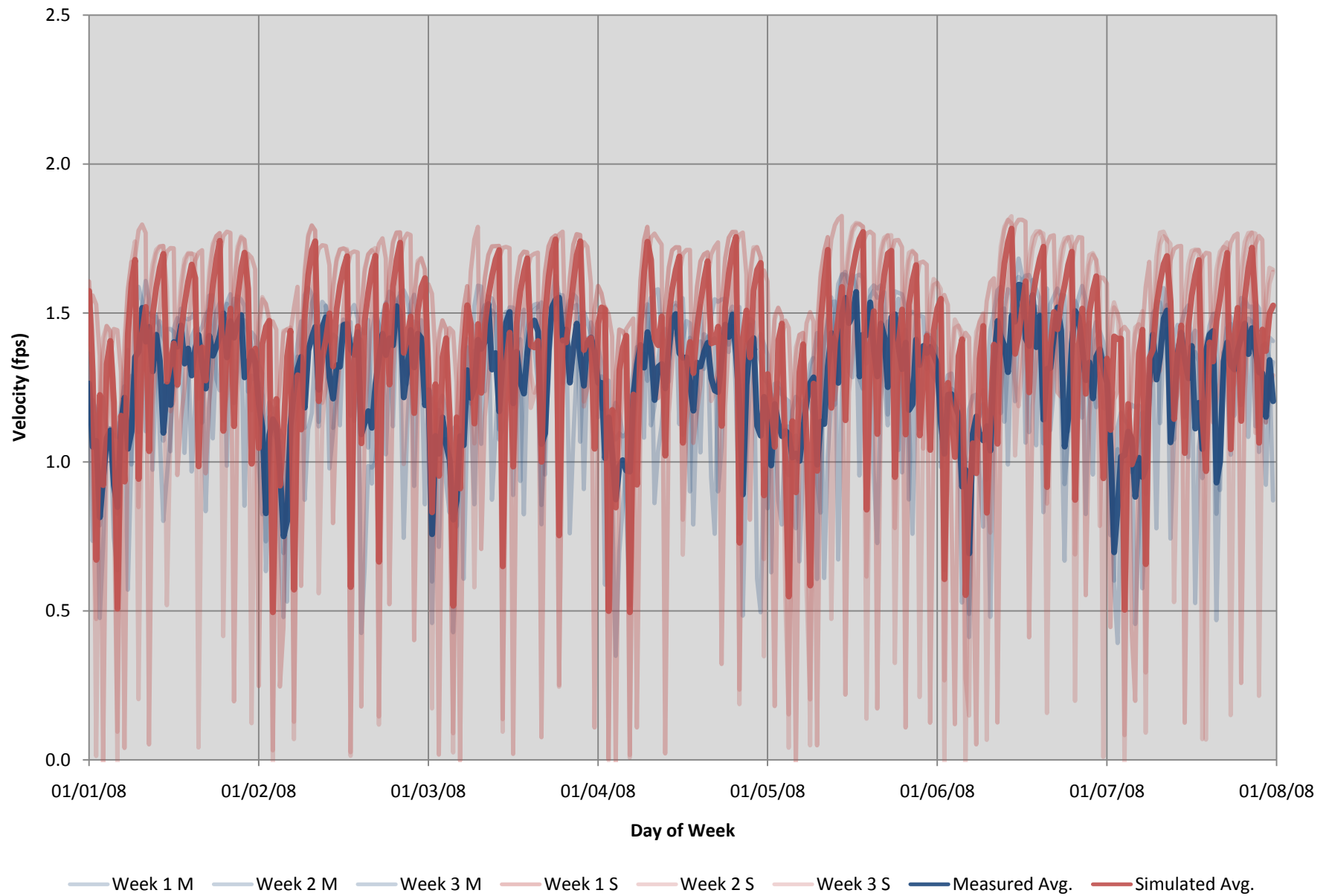


## LL04 DWF Calibration - Depth





## LL04 DWF Calibration - Velocity

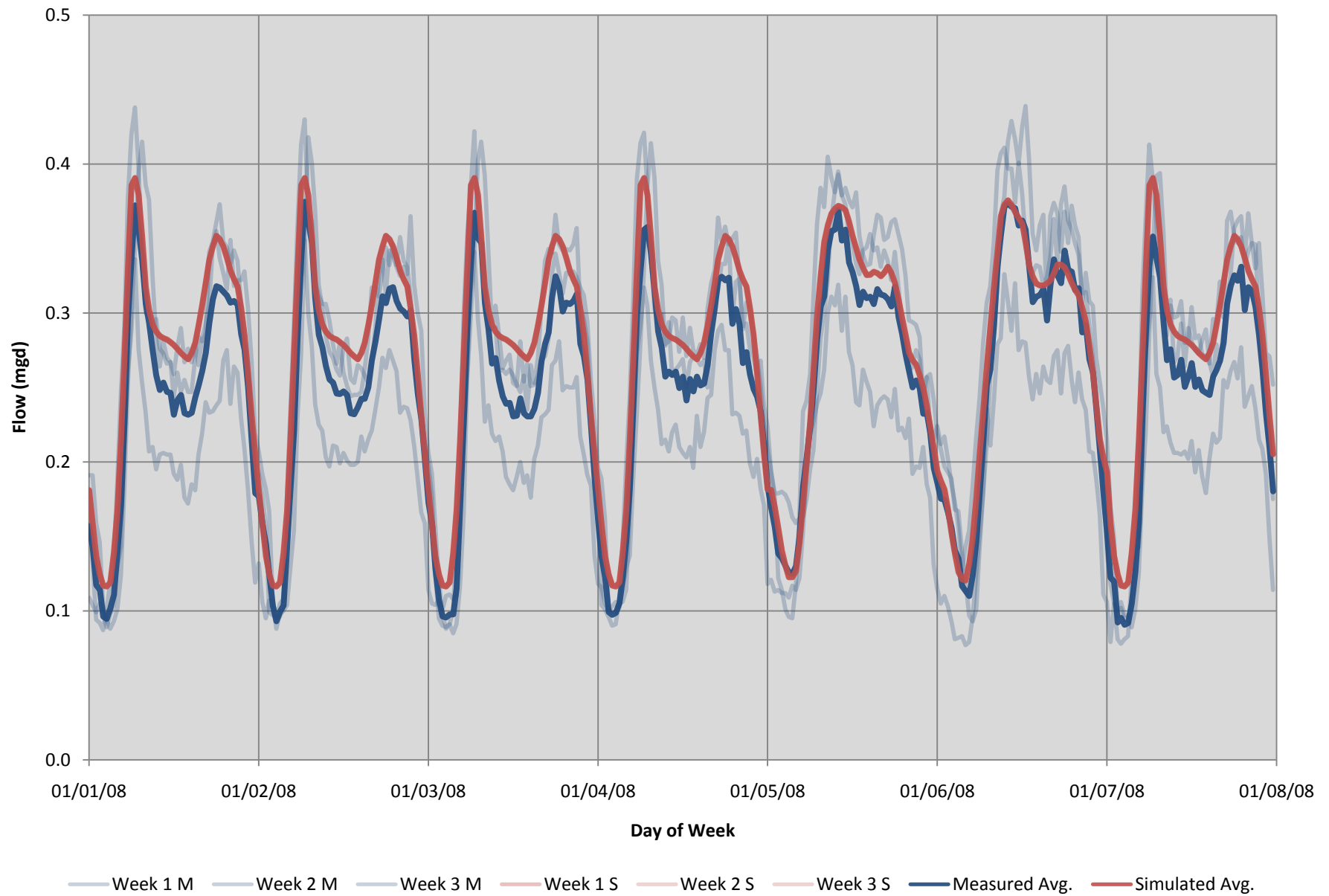


LL05 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.39	0.39	0.39	0.39	0.33	0.41	0.42	0.39	-0.5%	20%	-10%
Average Flow	0.27	0.27	0.27	0.27	0.21	0.27	0.28	0.25	8.7%	20%	-10%
Total Volume	1.91	1.91	1.91	1.91	1.44	1.89	1.93	1.75	8.7%	20%	-10%

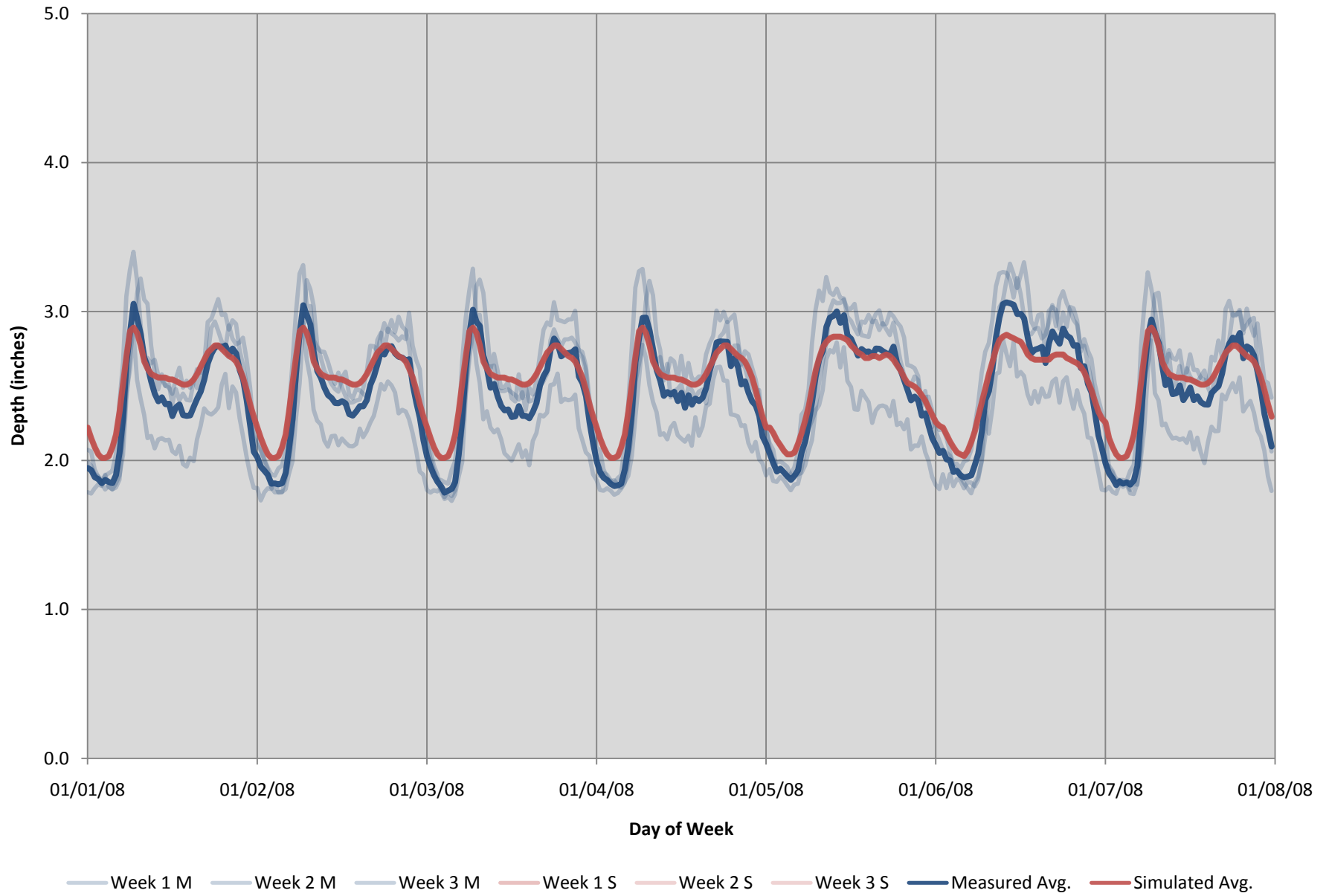
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.38	0.38	0.38	0.38	0.33	0.44	0.41	0.39
Monday	0.39	0.39	0.39	0.39	0.32	0.39	0.41	0.38
Tuesday	0.39	0.39	0.39	0.39	0.34	0.42	0.44	0.40
Wednesday	0.39	0.39	0.39	0.39	0.35	0.42	0.43	0.40
Thursday	0.39	0.39	0.39	0.39	0.34	0.42	0.42	0.39
Friday	0.39	0.39	0.39	0.39	0.32	0.41	0.42	0.38
Saturday	0.37	0.37	0.37	0.37	0.32	0.40	0.41	0.37

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

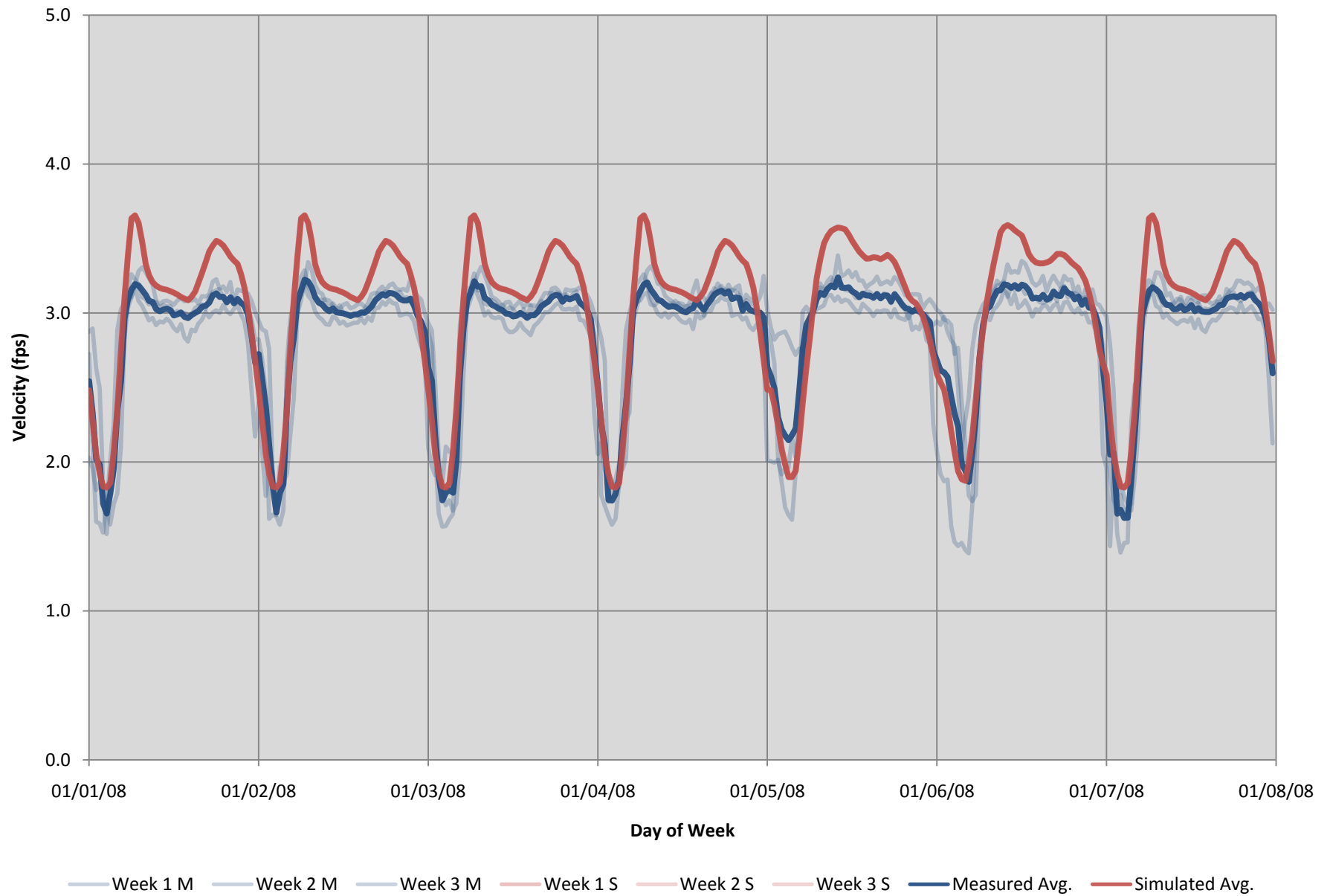
## LL05 DWF Calibration - Flow



## LL05 DWF Calibration - Depth



## LL05 DWF Calibration - Velocity

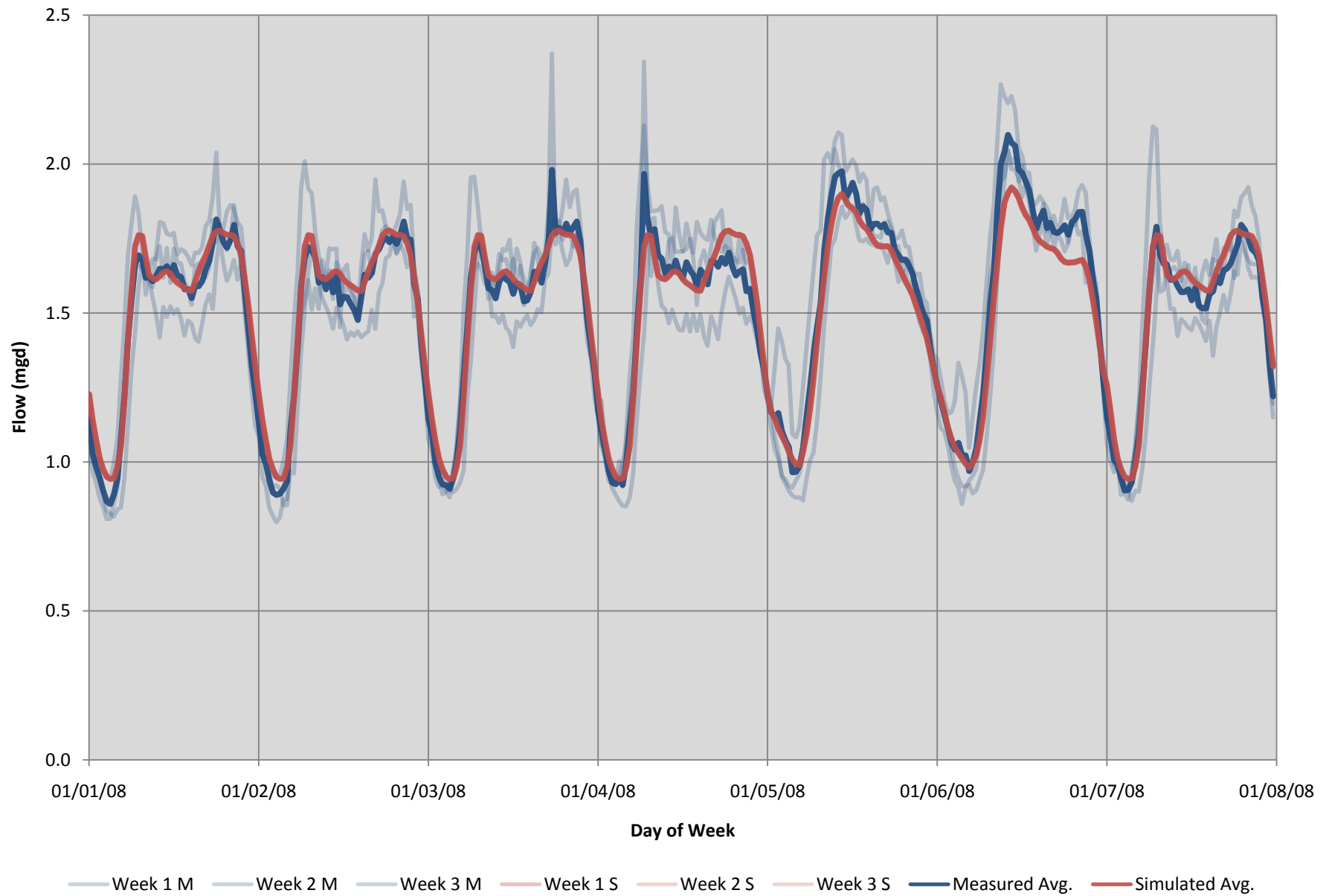


LL06 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.82	1.82	1.82	1.82	2.08	1.82	2.07	1.99	-8.8%	20%	-10%
Average Flow	1.51	1.51	1.51	1.51	1.51	1.42	1.59	1.51	-0.1%	20%	-10%
Total Volume	10.56	10.56	10.56	10.56	10.58	9.95	11.16	10.56	-0.1%	20%	-10%

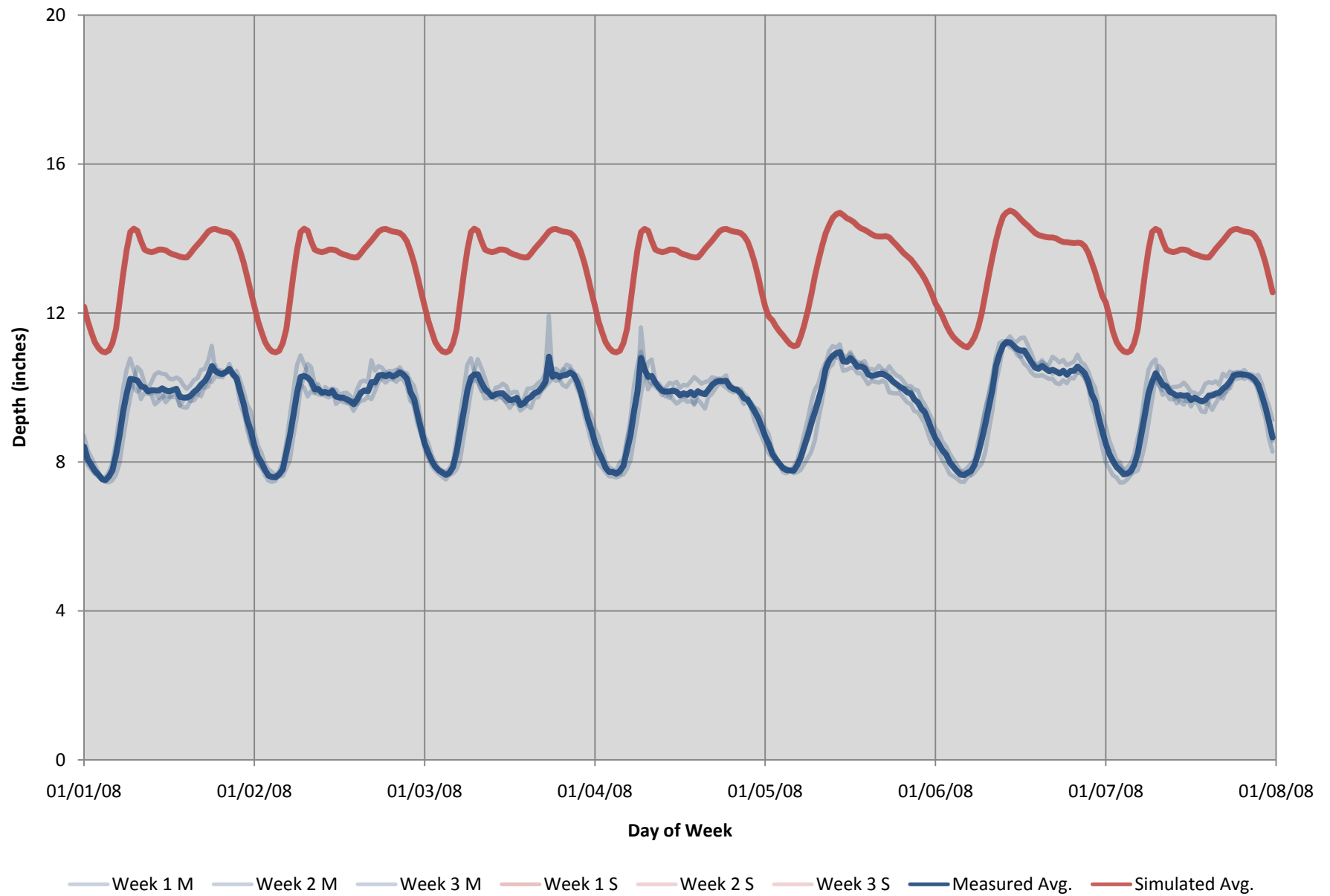
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.92	1.92	1.92	1.92	2.05	2.05	2.27	2.12
Monday	1.78	1.78	1.78	1.78	1.76	1.74	2.13	1.88
Tuesday	1.78	1.78	1.78	1.78	2.04	1.75	1.89	1.89
Wednesday	1.78	1.78	1.78	1.78	1.95	1.75	2.01	1.90
Thursday	1.78	1.78	1.78	1.78	2.37	1.81	1.96	2.05
Friday	1.78	1.78	1.78	1.78	2.34	1.82	2.13	2.10
Saturday	1.90	1.90	1.90	1.90	2.05	1.86	2.11	2.01

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL06 DWF Calibration - Flow

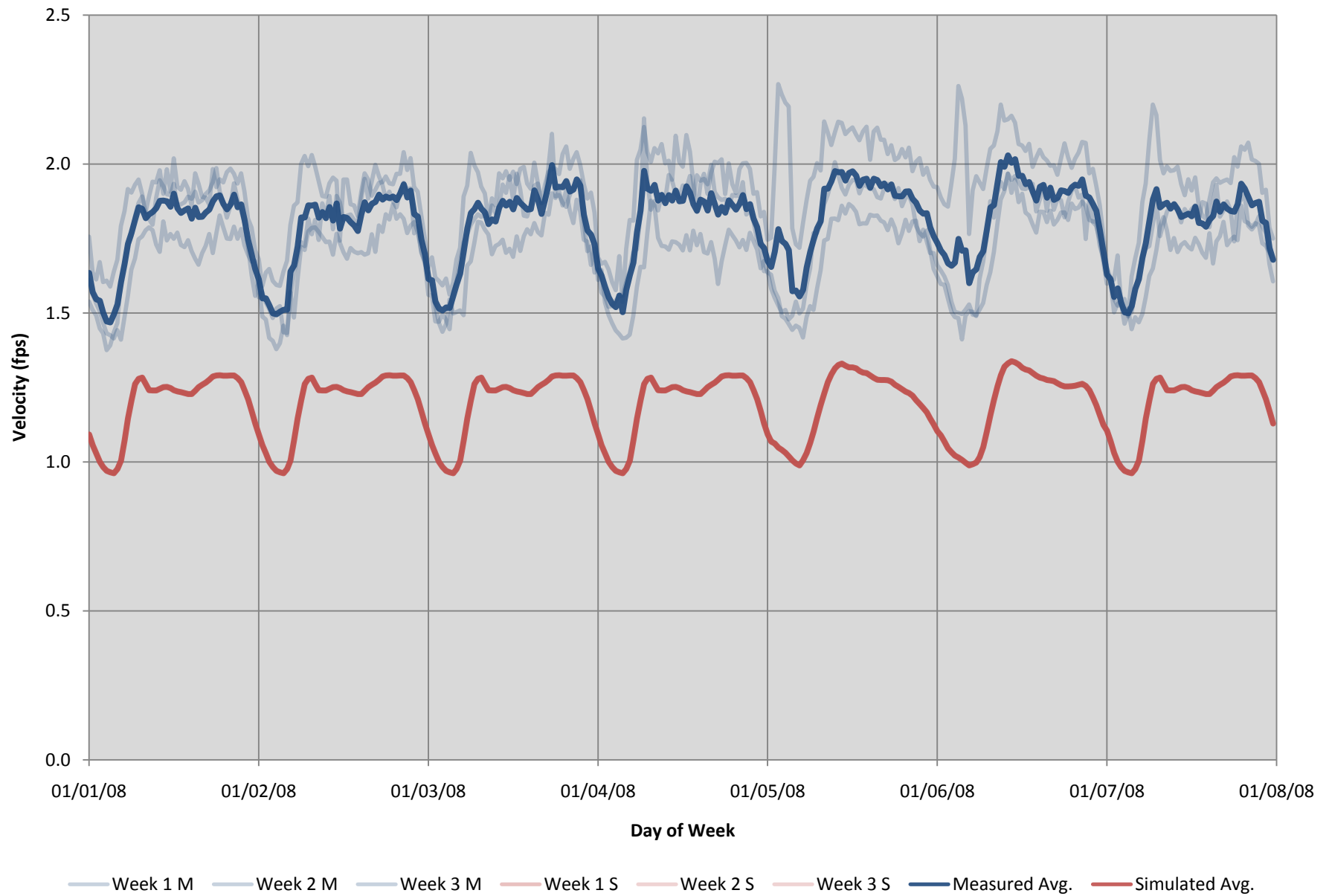


## LL06 DWF Calibration - Depth





## LL06 DWF Calibration - Velocity

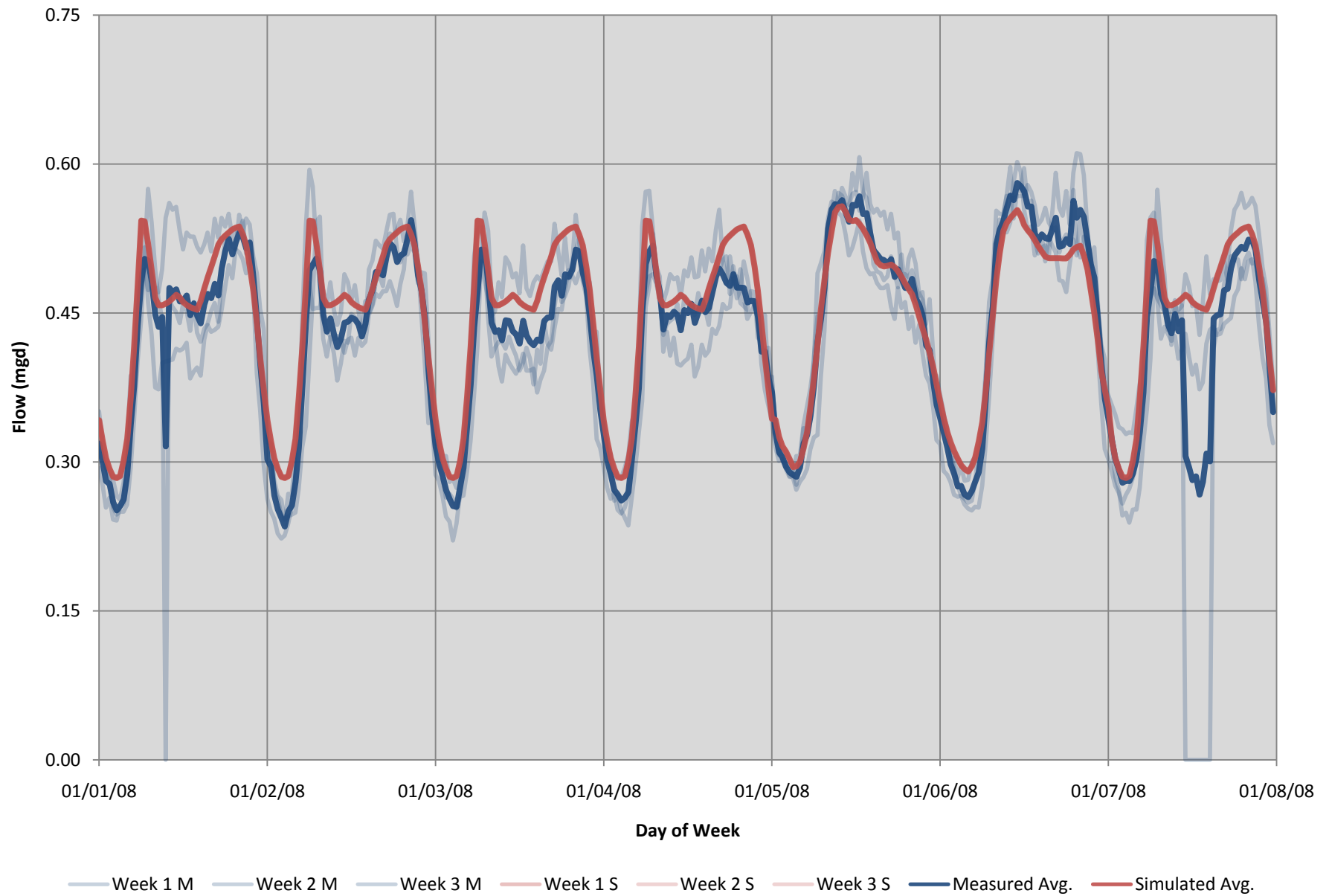


LL07 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.55	0.55	0.55	0.55	0.56	0.57	0.56	0.56	-2.9%	20%	-10%
Average Flow	0.45	0.45	0.45	0.45	0.45	0.42	0.42	0.43	4.4%	20%	-10%
Total Volume	3.13	3.13	3.13	3.13	3.15	2.92	2.93	3.00	4.4%	20%	-10%

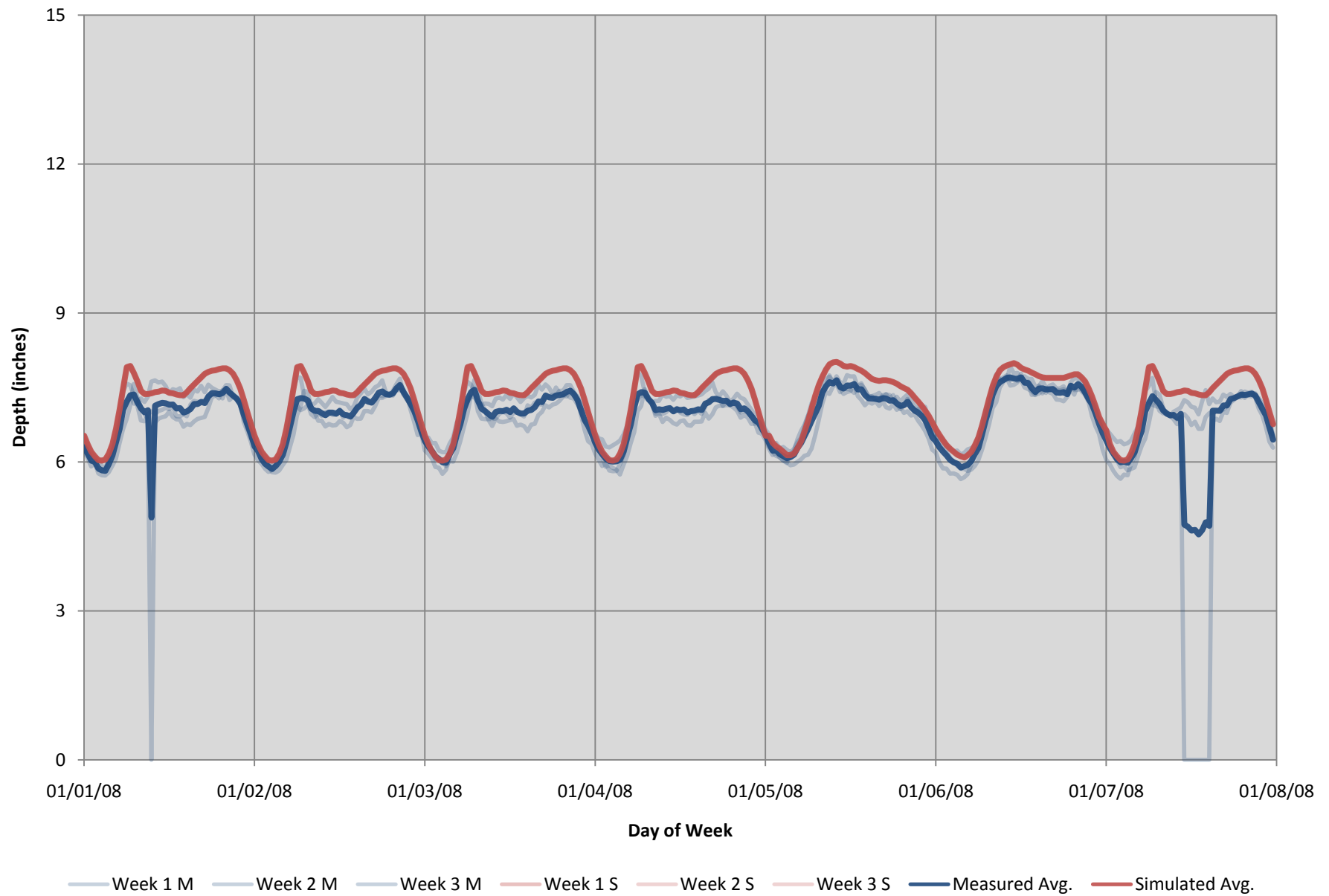
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.55	0.55	0.55	0.55	0.58	0.61	0.60	0.60
Monday	0.54	0.54	0.54	0.54	0.51	0.57	0.55	0.55
Tuesday	0.54	0.54	0.54	0.54	0.56	0.58	0.52	0.55
Wednesday	0.54	0.54	0.54	0.54	0.55	0.55	0.59	0.56
Thursday	0.54	0.54	0.54	0.54	0.54	0.55	0.54	0.54
Friday	0.54	0.54	0.54	0.54	0.55	0.53	0.57	0.55
Saturday	0.56	0.56	0.56	0.56	0.61	0.59	0.56	0.59

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

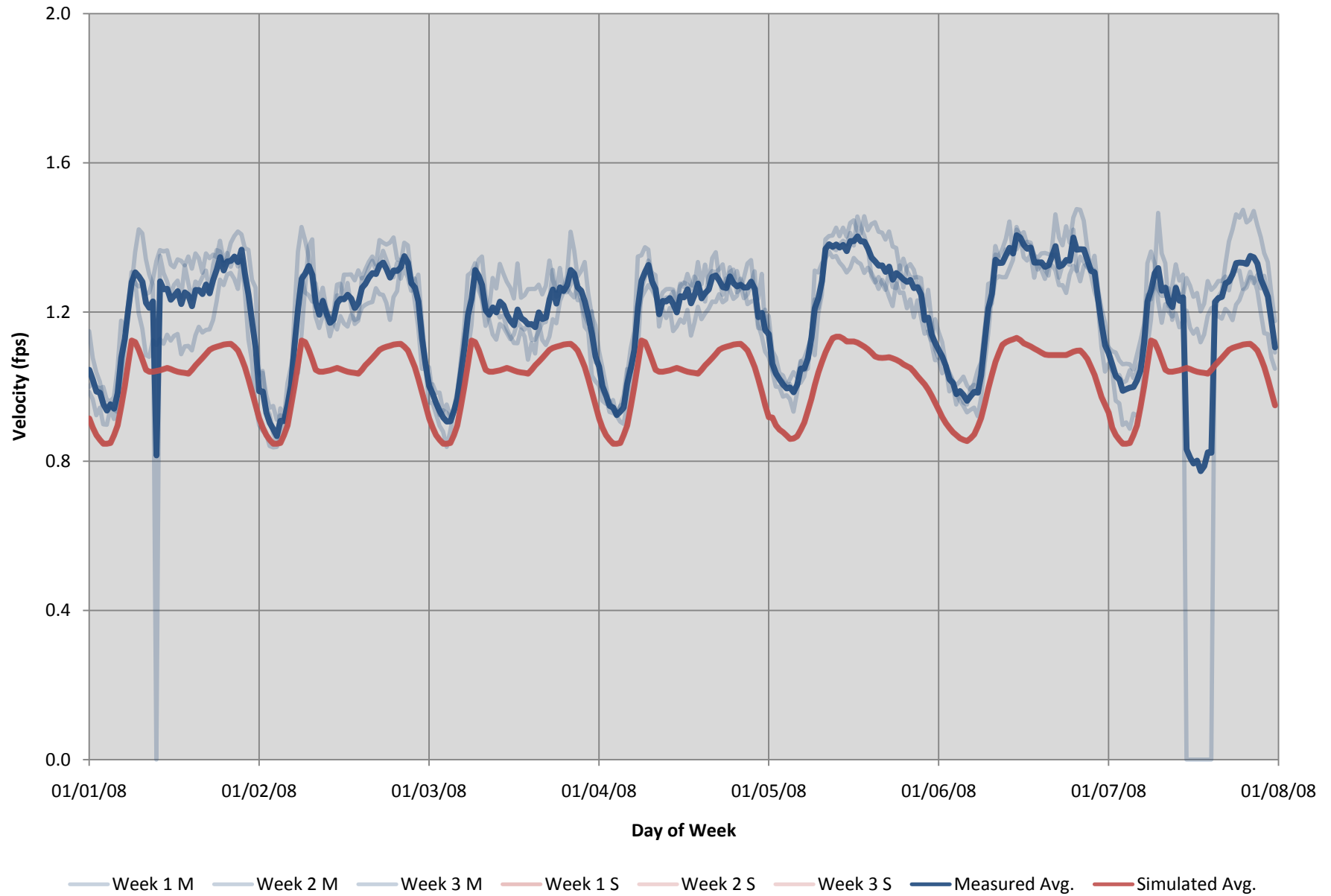
## LL07 DWF Calibration - Flow



## LL07 DWF Calibration - Depth



## LL07 DWF Calibration - Velocity

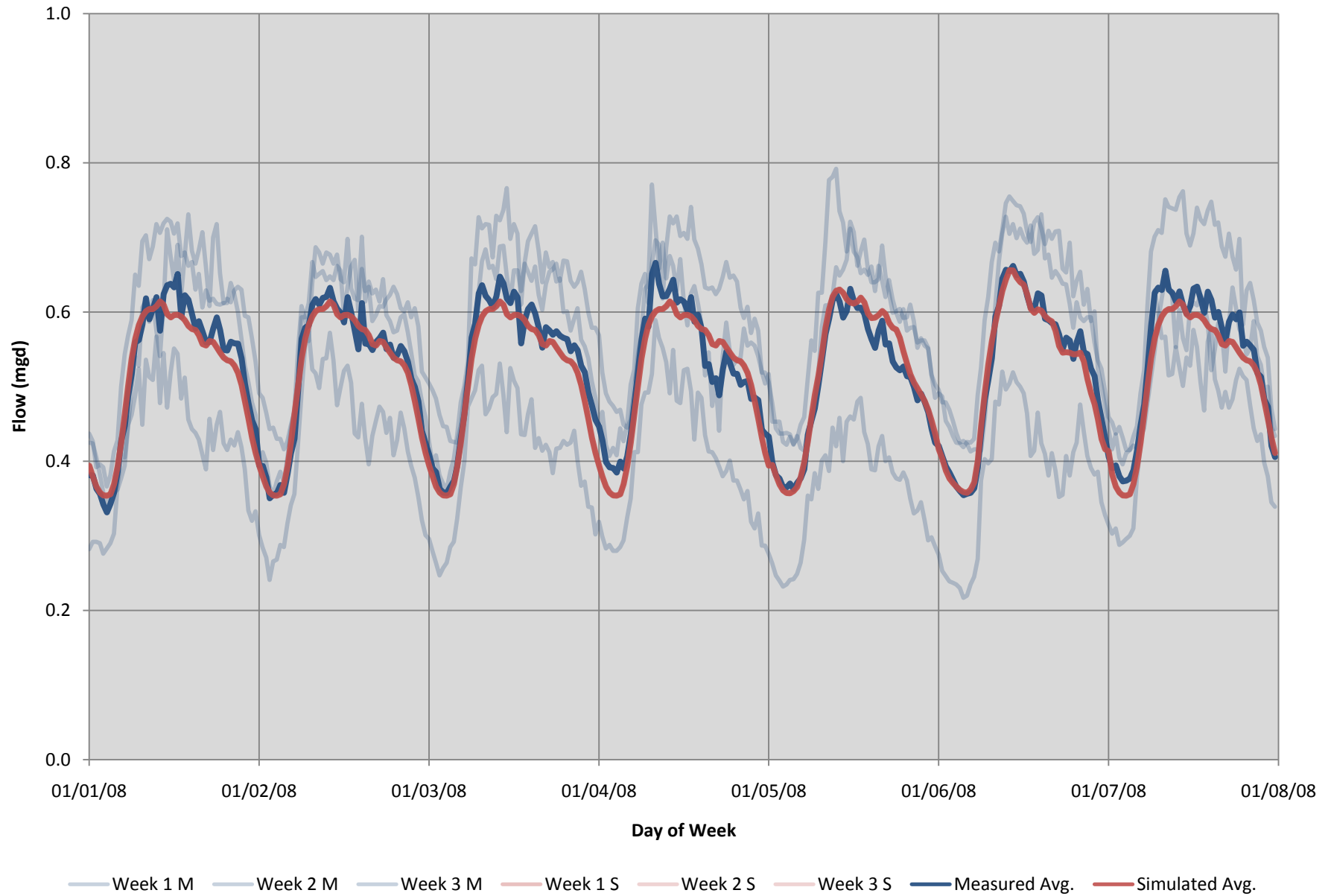


LL08 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.62	0.62	0.62	0.62	0.75	0.71	0.56	0.67	-7.2%	20%	-10%
Average Flow	0.52	0.52	0.52	0.52	0.59	0.57	0.41	0.52	-1.6%	20%	-10%
Total Volume	3.61	3.61	3.61	3.61	4.16	3.98	2.87	3.67	-1.6%	20%	-10%

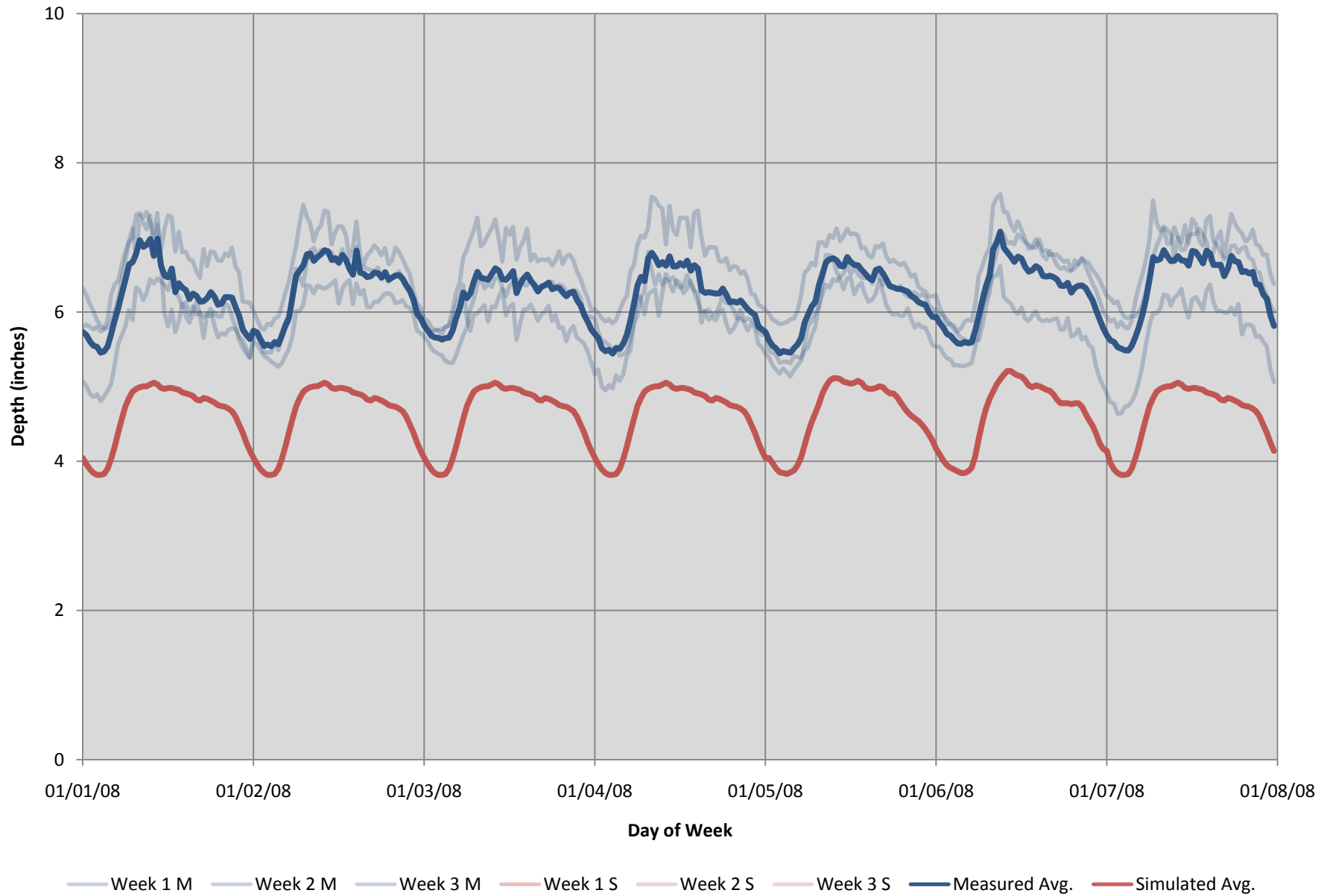
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.66	0.66	0.66	0.66	0.76	0.73	0.52	0.67
Monday	0.61	0.61	0.61	0.61	0.76	0.65	0.63	0.68
Tuesday	0.61	0.61	0.61	0.61	0.73	0.73	0.57	0.67
Wednesday	0.61	0.61	0.61	0.61	0.70	0.67	0.57	0.65
Thursday	0.61	0.61	0.61	0.61	0.77	0.69	0.53	0.66
Friday	0.61	0.61	0.61	0.61	0.74	0.77	0.59	0.70
Saturday	0.63	0.63	0.63	0.63	0.79	0.71	0.49	0.66

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL08 DWF Calibration - Flow

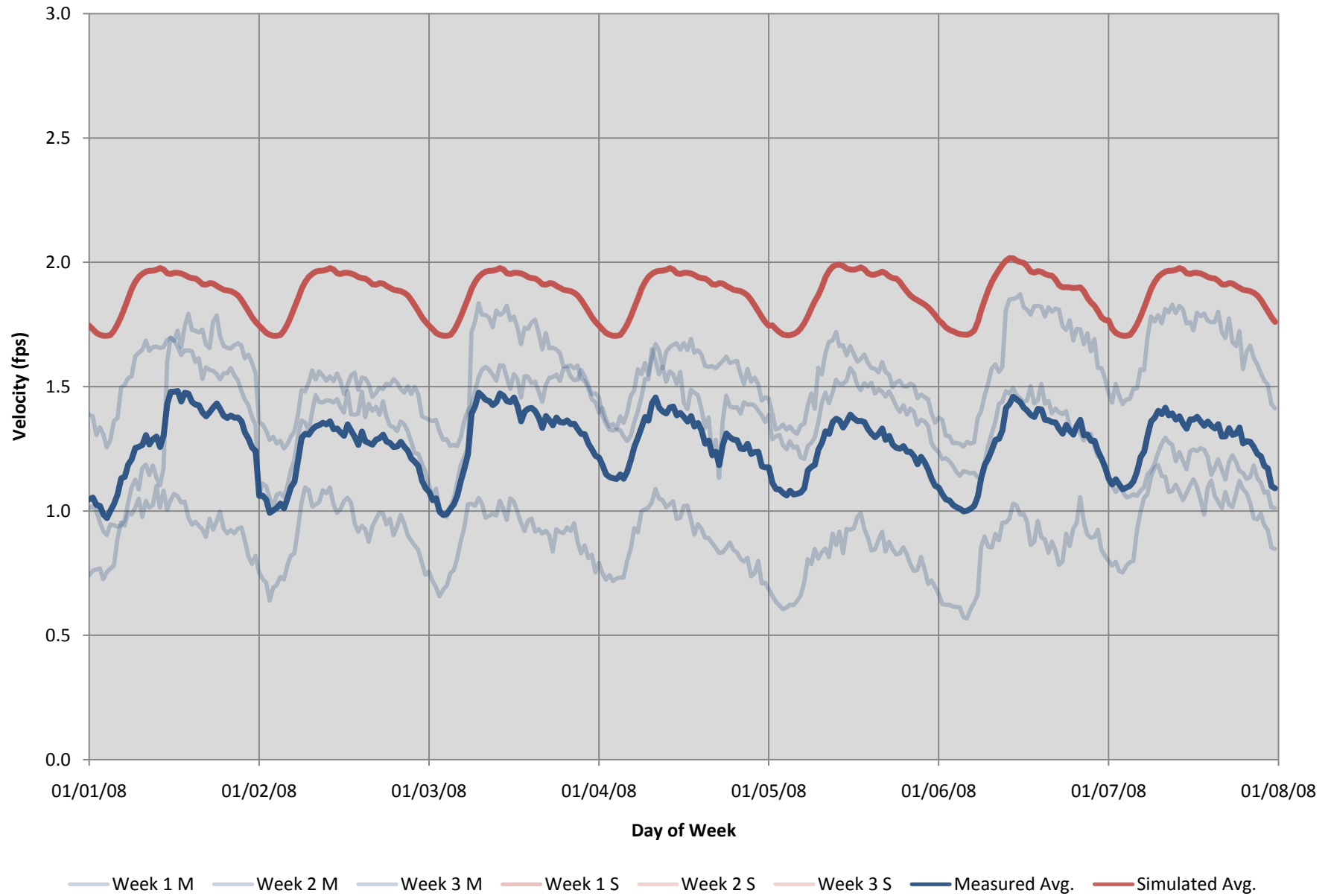


## LL08 DWF Calibration - Depth





## LL08 DWF Calibration - Velocity

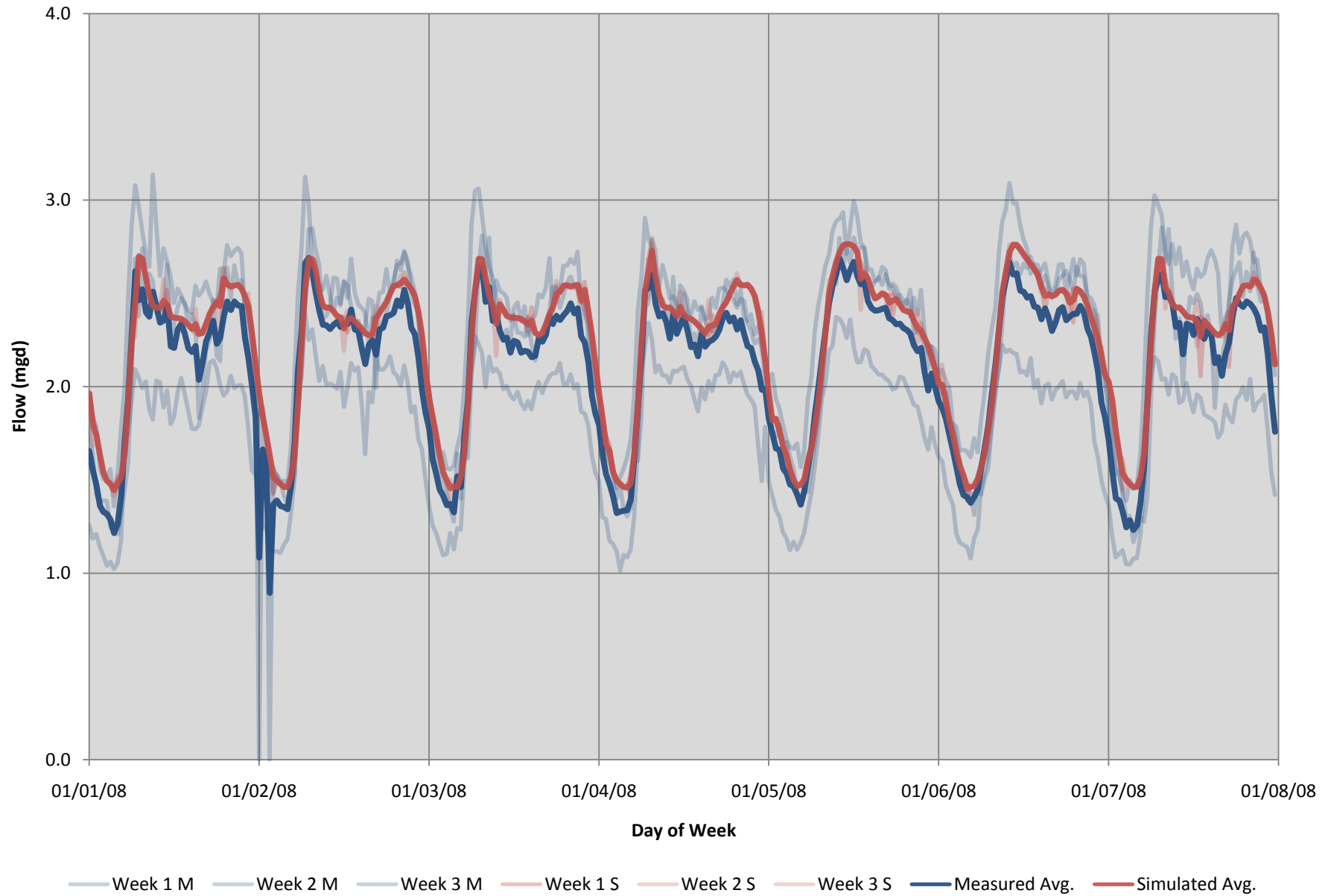


LL10 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	2.73	2.71	2.71	2.72	2.27	2.79	3.05	2.70	0.4%	20%	-10%
Average Flow	2.23	2.23	2.23	2.23	1.80	2.19	2.35	2.11	5.5%	20%	-10%
Total Volume	15.58	15.60	15.58	15.59	12.57	15.33	16.43	14.77	5.5%	20%	-10%

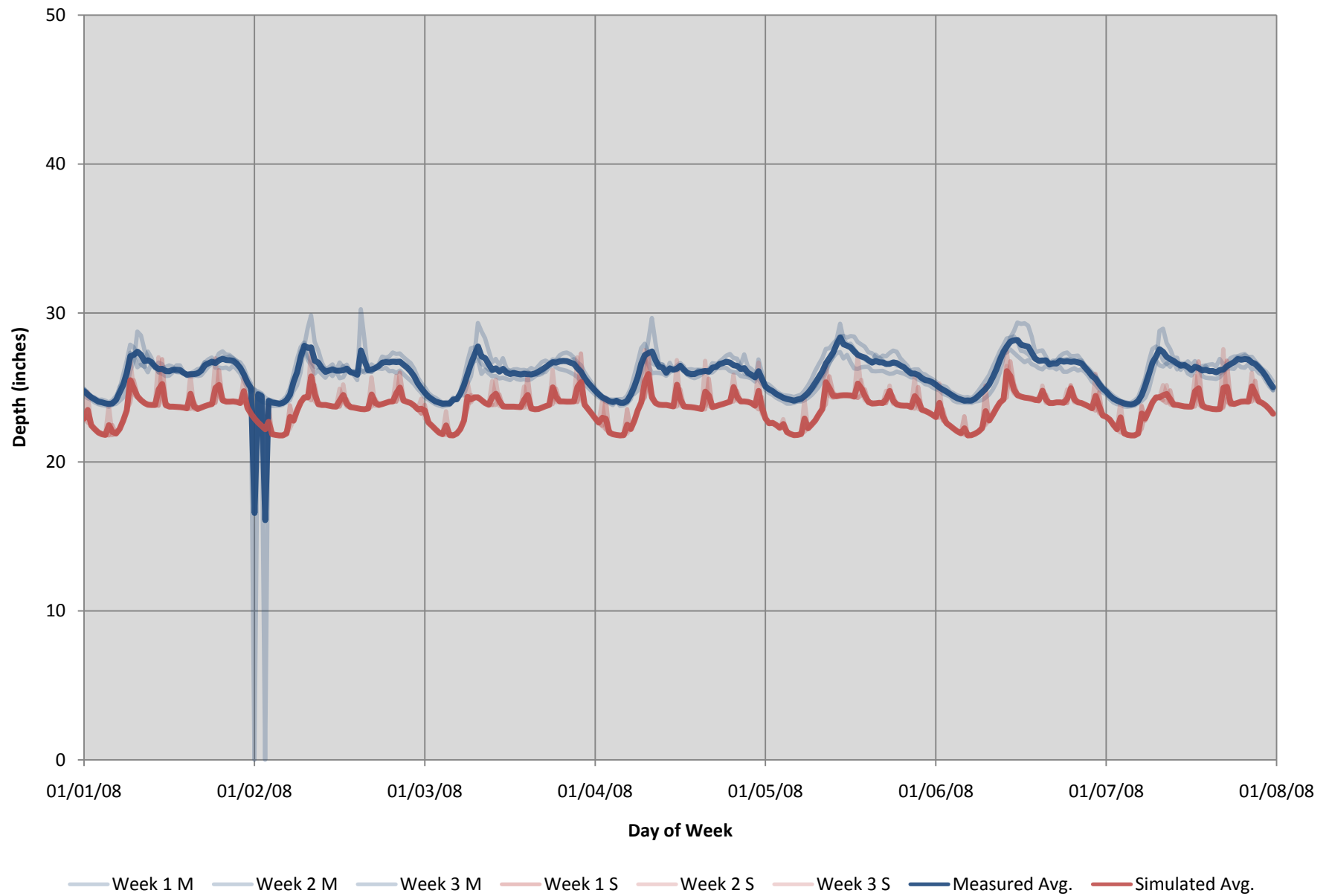
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	2.77	2.76	2.76	2.76	2.22	2.71	3.09	2.67
Monday	2.68	2.68	2.68	2.68	2.16	2.85	3.03	2.68
Tuesday	2.71	2.69	2.69	2.70	2.14	2.74	3.14	2.67
Wednesday	2.68	2.68	2.69	2.68	2.39	2.85	3.13	2.79
Thursday	2.69	2.68	2.68	2.69	2.27	2.81	3.06	2.71
Friday	2.79	2.70	2.70	2.73	2.34	2.80	2.91	2.68
Saturday	2.76	2.76	2.76	2.76	2.37	2.80	3.00	2.72

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

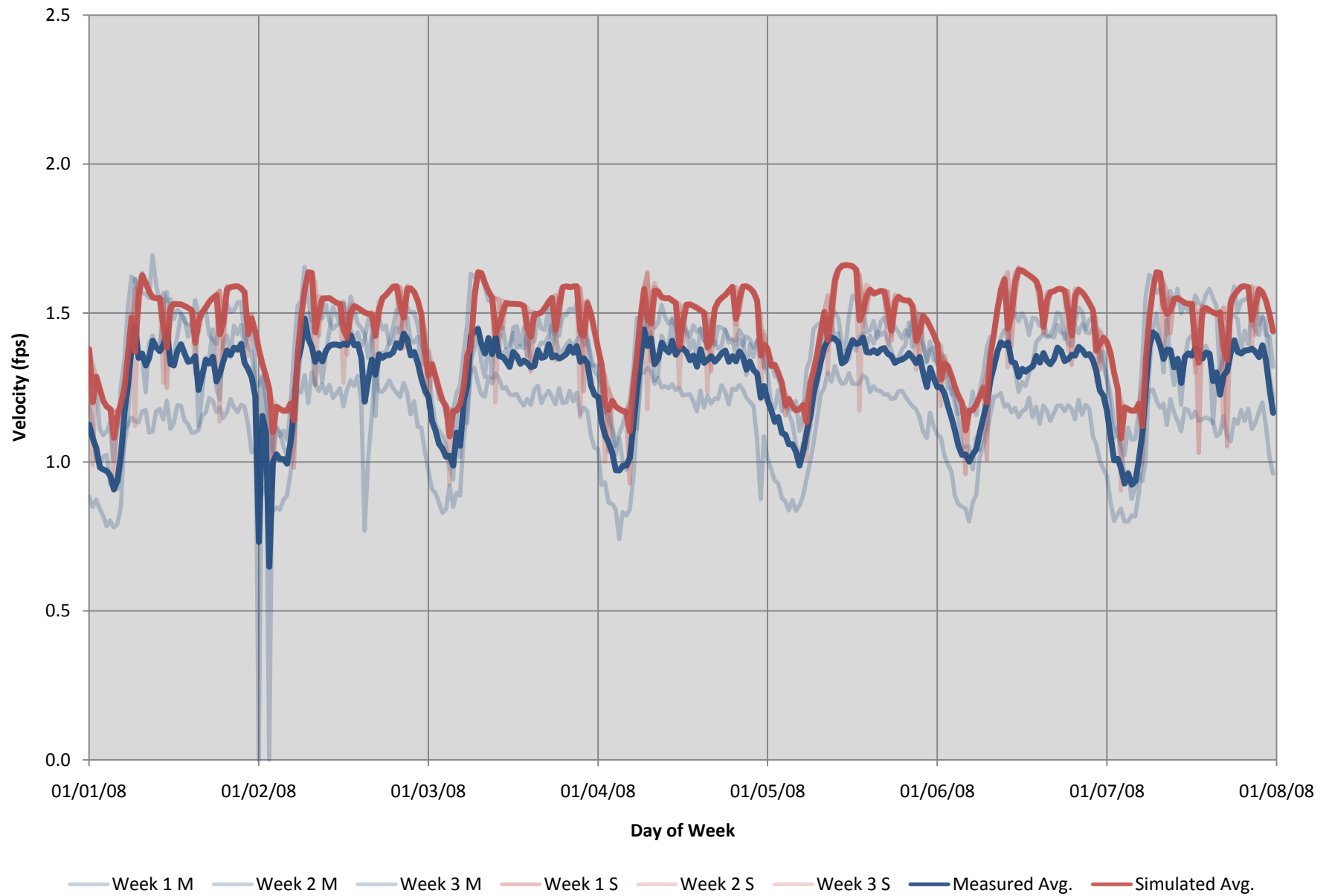
## LL10 DWF Calibration - Flow



## LL10 DWF Calibration - Depth



## LL10 DWF Calibration - Velocity

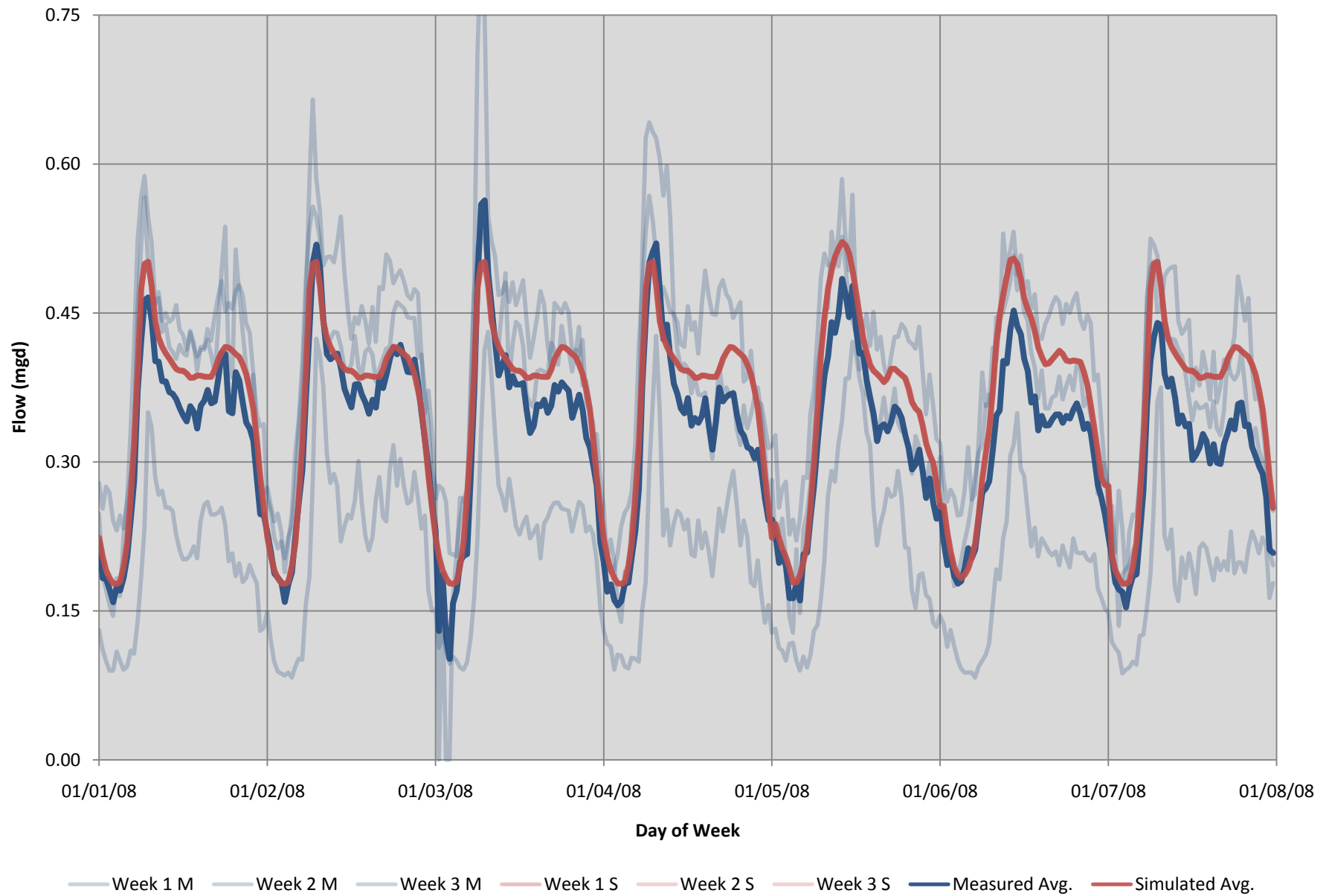


LL11 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.50	0.50	0.50	0.50	0.62	0.40	0.54	0.52	-2.7%	20%	-10%
Average Flow	0.36	0.36	0.36	0.36	0.40	0.21	0.37	0.32	10.1%	20%	-10%
Total Volume	2.49	2.49	2.49	2.49	2.79	1.44	2.56	2.26	10.1%	20%	-10%

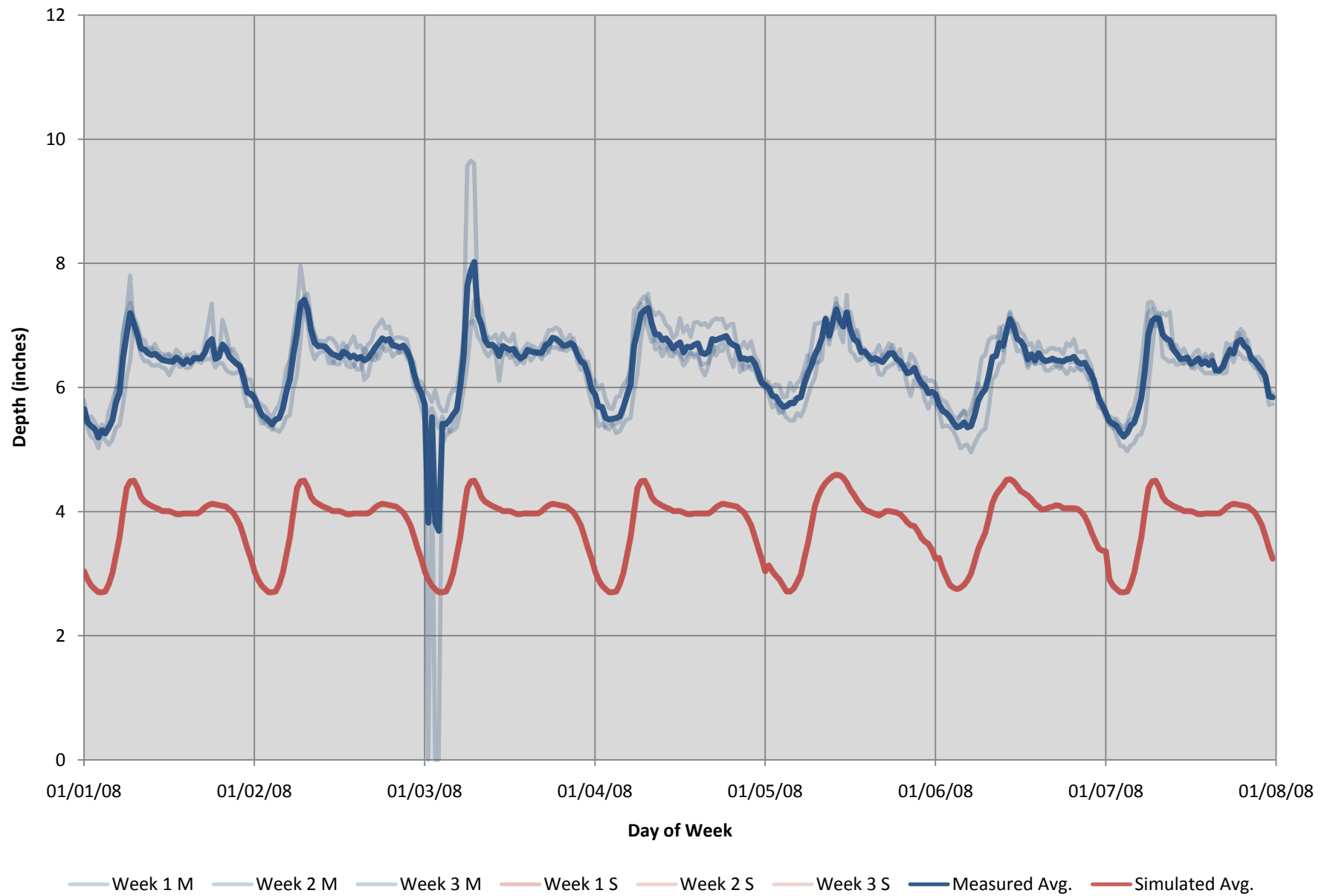
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.50	0.50	0.50	0.50	0.53	0.35	0.51	0.46
Monday	0.50	0.50	0.50	0.50	0.50	0.38	0.53	0.47
Tuesday	0.50	0.50	0.50	0.50	0.57	0.35	0.59	0.50
Wednesday	0.50	0.50	0.50	0.50	0.67	0.42	0.56	0.55
Thursday	0.50	0.50	0.50	0.50	0.82	0.43	0.53	0.59
Friday	0.50	0.50	0.50	0.50	0.64	0.43	0.57	0.55
Saturday	0.52	0.52	0.52	0.52	0.59	0.42	0.53	0.51

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL11 DWF Calibration - Flow

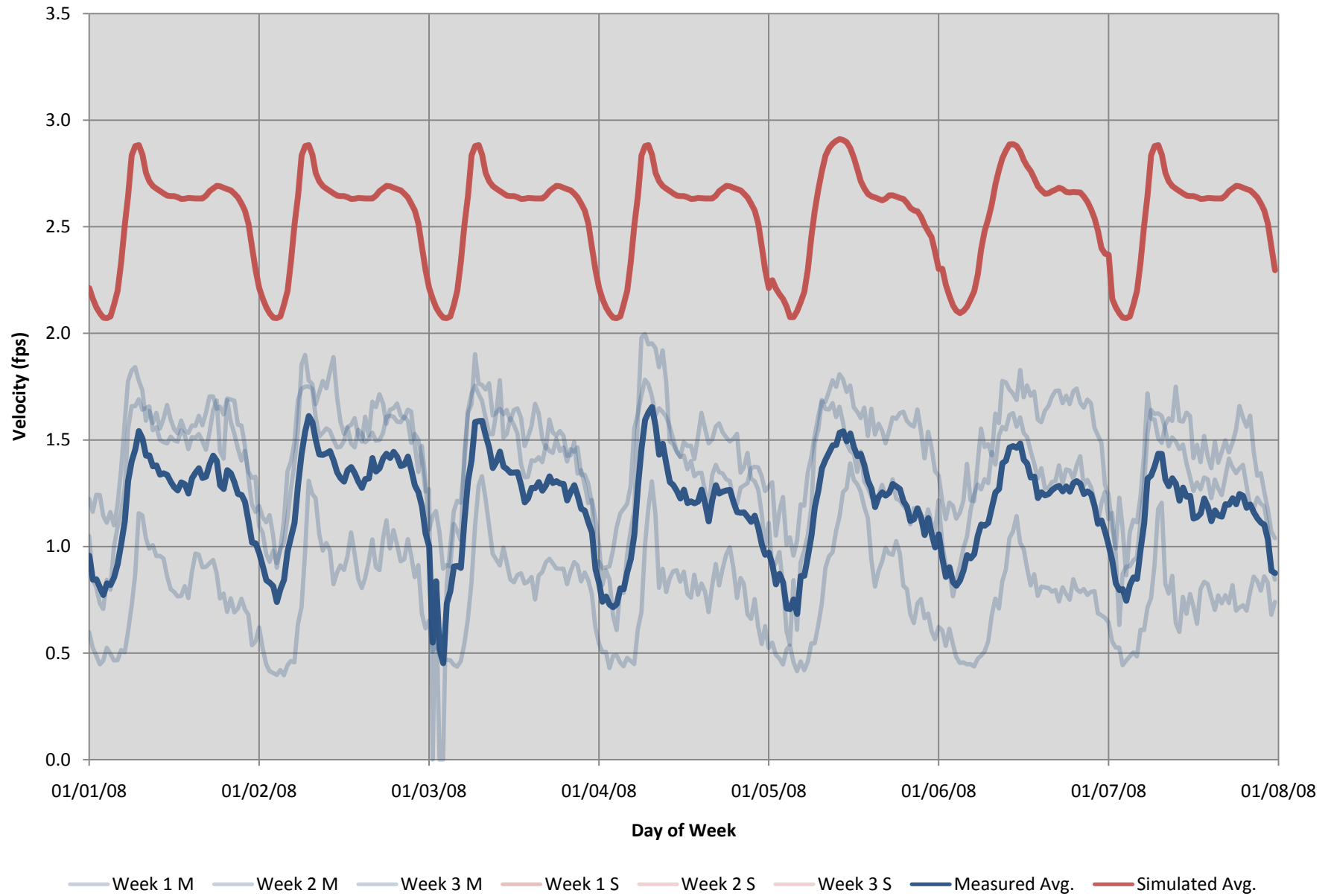


## LL11 DWF Calibration - Depth





## LL11 DWF Calibration - Velocity

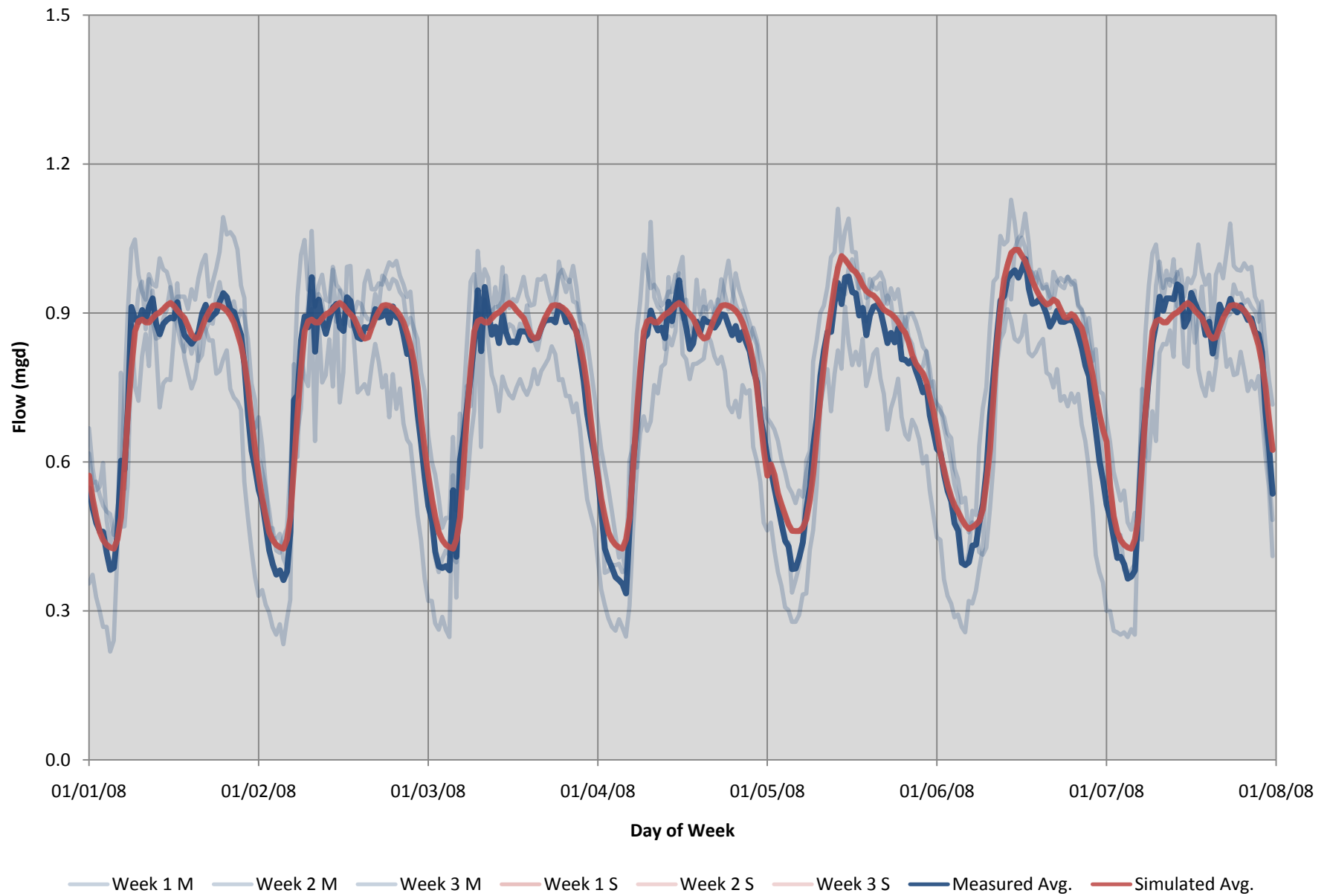


LL12 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.95	0.95	0.95	0.95	0.95	1.04	1.07	1.02	-6.9%	20%	-10%
Average Flow	0.78	0.78	0.78	0.78	0.65	0.80	0.83	0.76	2.1%	20%	-10%
Total Volume	5.43	5.43	5.43	5.43	4.53	5.62	5.80	5.31	2.1%	20%	-10%

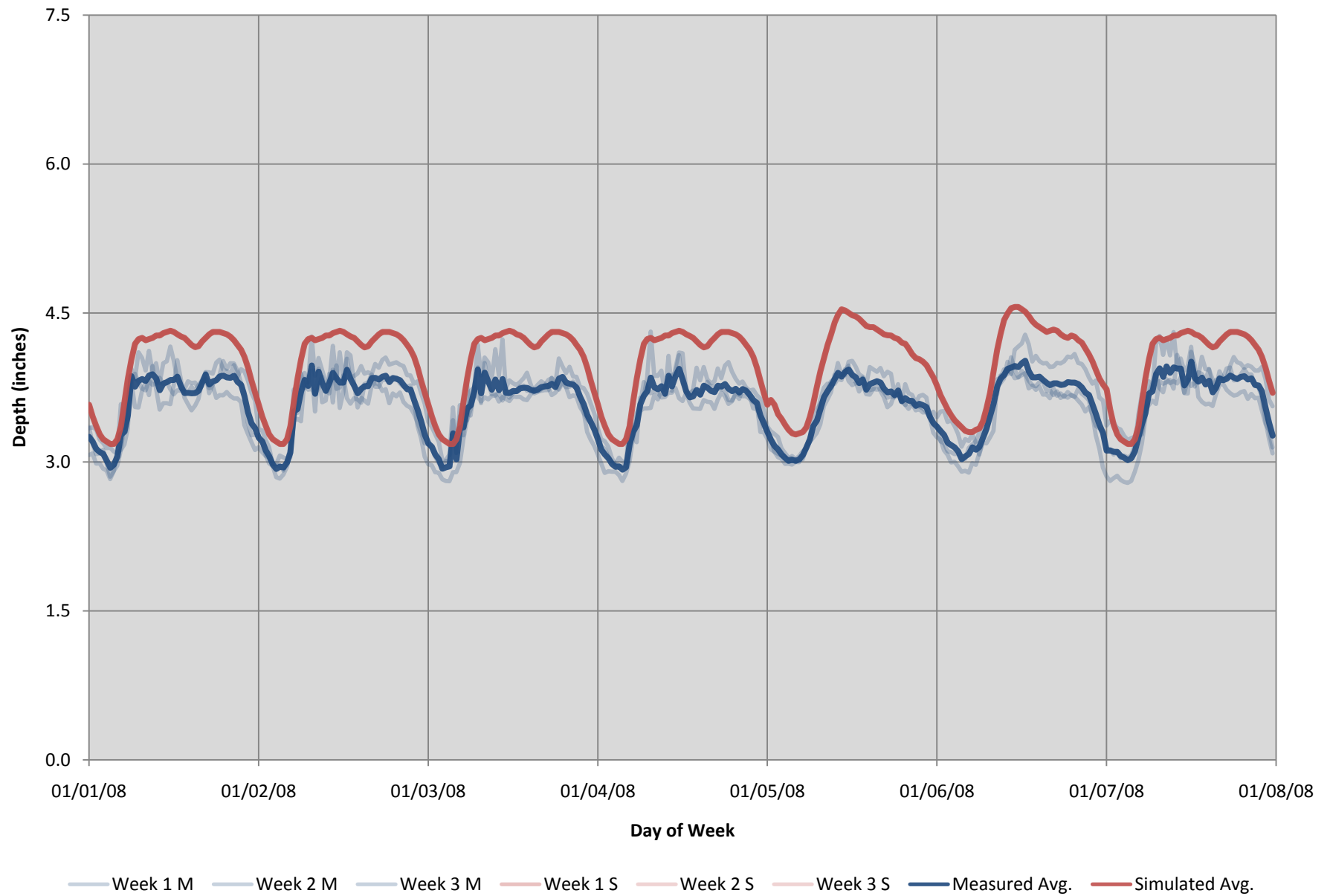
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.03	1.03	1.03	1.03	0.91	1.10	1.13	1.05
Monday	0.92	0.92	0.92	0.92	0.98	1.01	1.08	1.02
Tuesday	0.92	0.92	0.92	0.92	0.96	0.97	1.09	1.01
Wednesday	0.92	0.92	0.92	0.92	1.00	1.07	1.05	1.04
Thursday	0.92	0.92	0.92	0.92	0.94	1.03	1.00	0.99
Friday	0.92	0.92	0.92	0.92	0.98	1.08	1.02	1.03
Saturday	1.01	1.01	1.01	1.01	0.91	1.01	1.11	1.01

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

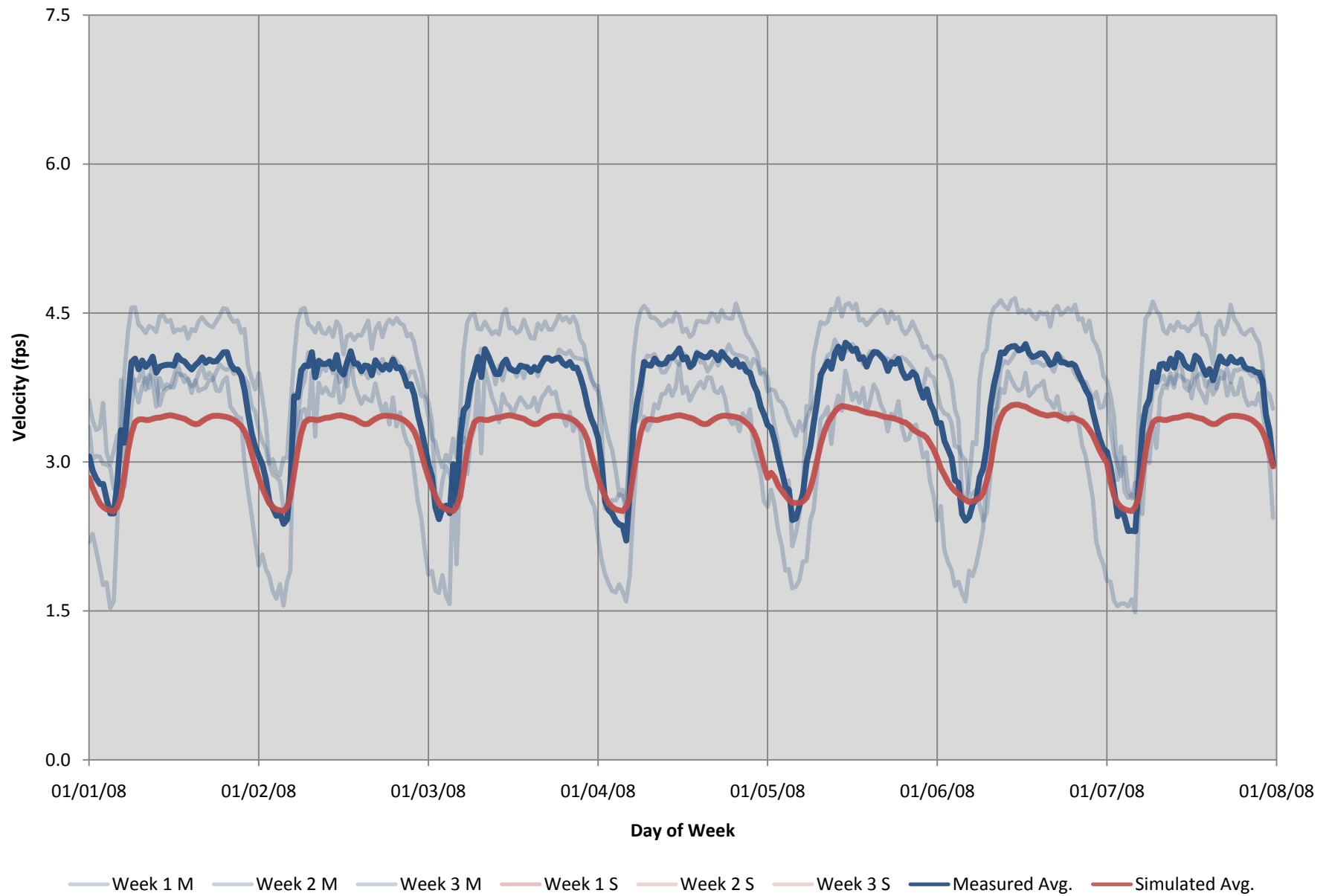
## LL12 DWF Calibration - Flow



## LL12 DWF Calibration - Depth



## LL12 DWF Calibration - Velocity

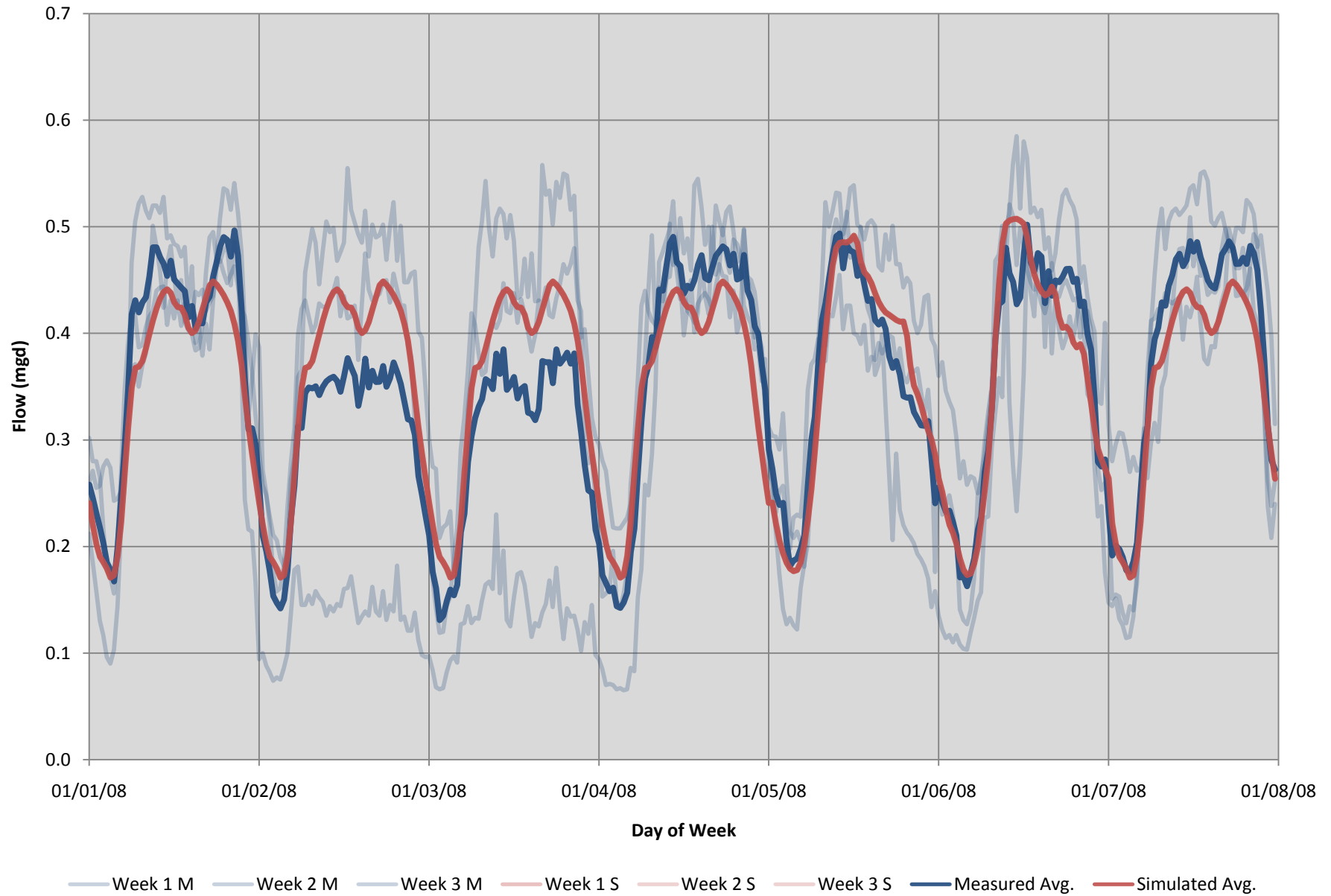


LL13 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.46	0.46	0.46	0.46	0.42	0.55	0.50	0.49	-5.5%	20%	-10%
Average Flow	0.35	0.35	0.35	0.35	0.27	0.42	0.36	0.35	0.9%	20%	-10%
Total Volume	2.48	2.48	2.48	2.48	1.90	2.92	2.55	2.46	0.9%	20%	-10%

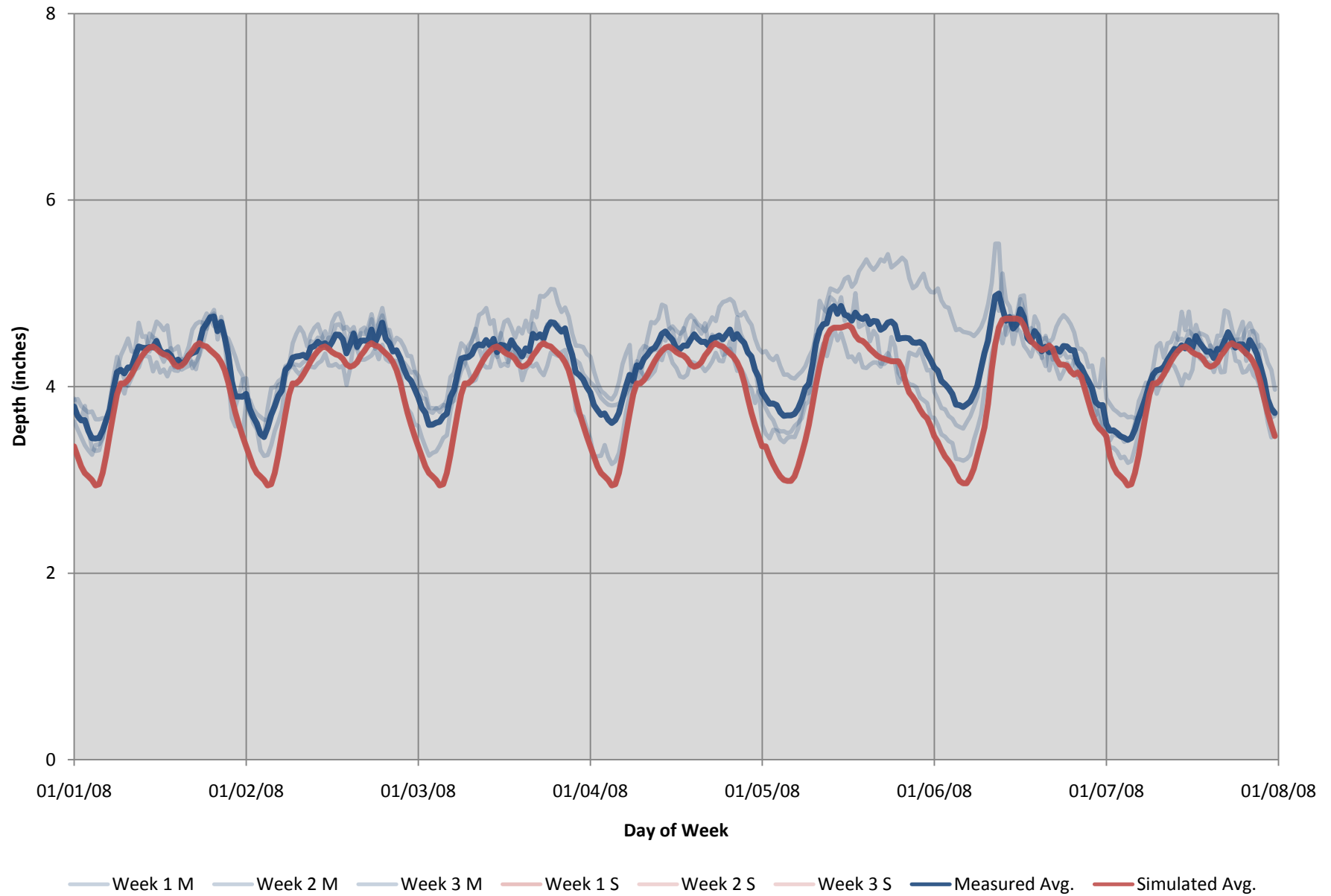
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.51	0.51	0.51	0.51	0.48	0.59	0.52	0.53
Monday	0.45	0.45	0.45	0.45	0.51	0.55	0.50	0.52
Tuesday	0.45	0.45	0.45	0.45	0.50	0.53	0.54	0.52
Wednesday	0.45	0.45	0.45	0.45	0.18	0.56	0.48	0.40
Thursday	0.45	0.45	0.45	0.45	0.23	0.56	0.48	0.42
Friday	0.45	0.45	0.45	0.45	0.52	0.55	0.50	0.52
Saturday	0.49	0.49	0.49	0.49	0.53	0.54	0.46	0.51

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL13 DWF Calibration - Flow

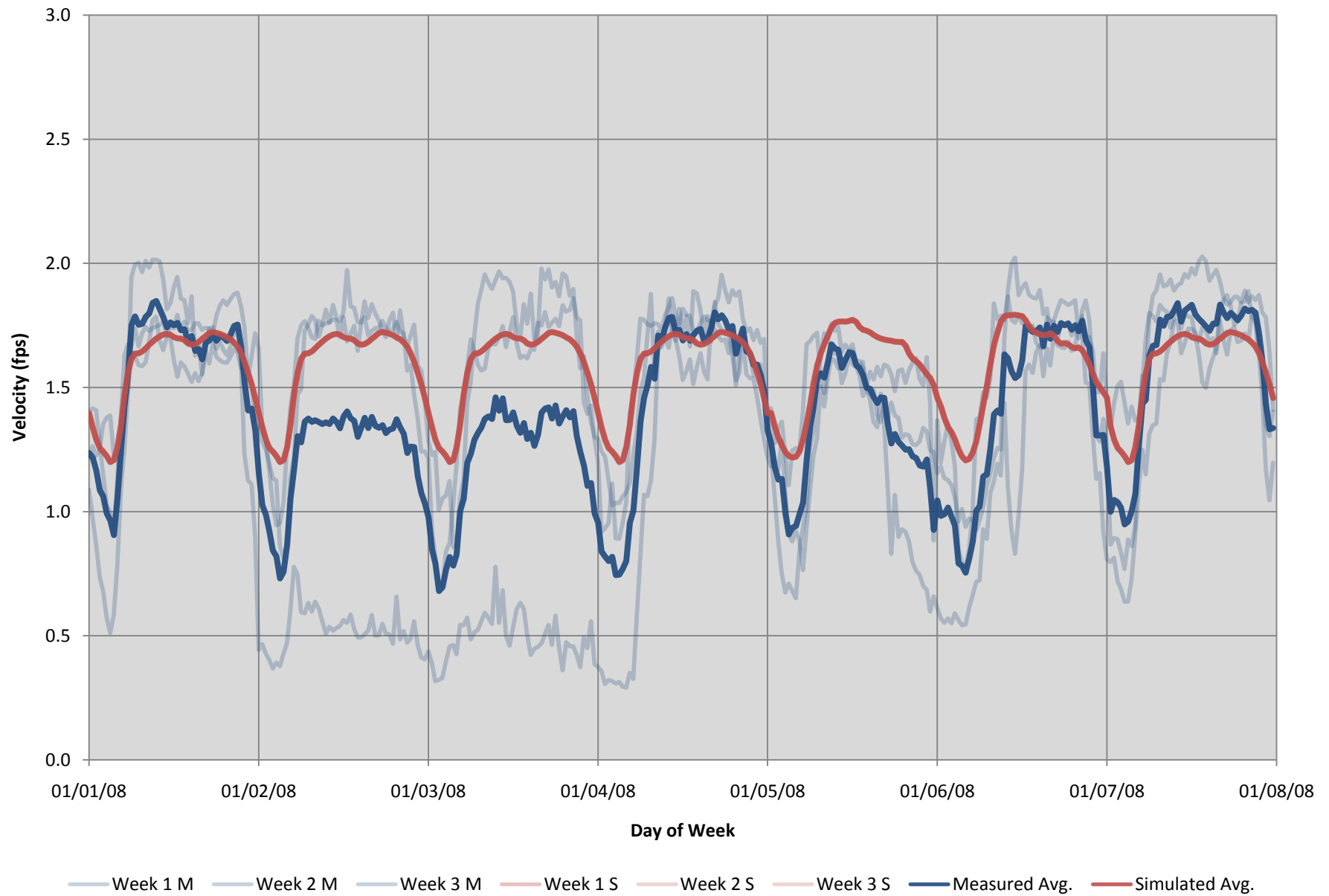


## LL13 DWF Calibration - Depth





## LL13 DWF Calibration - Velocity

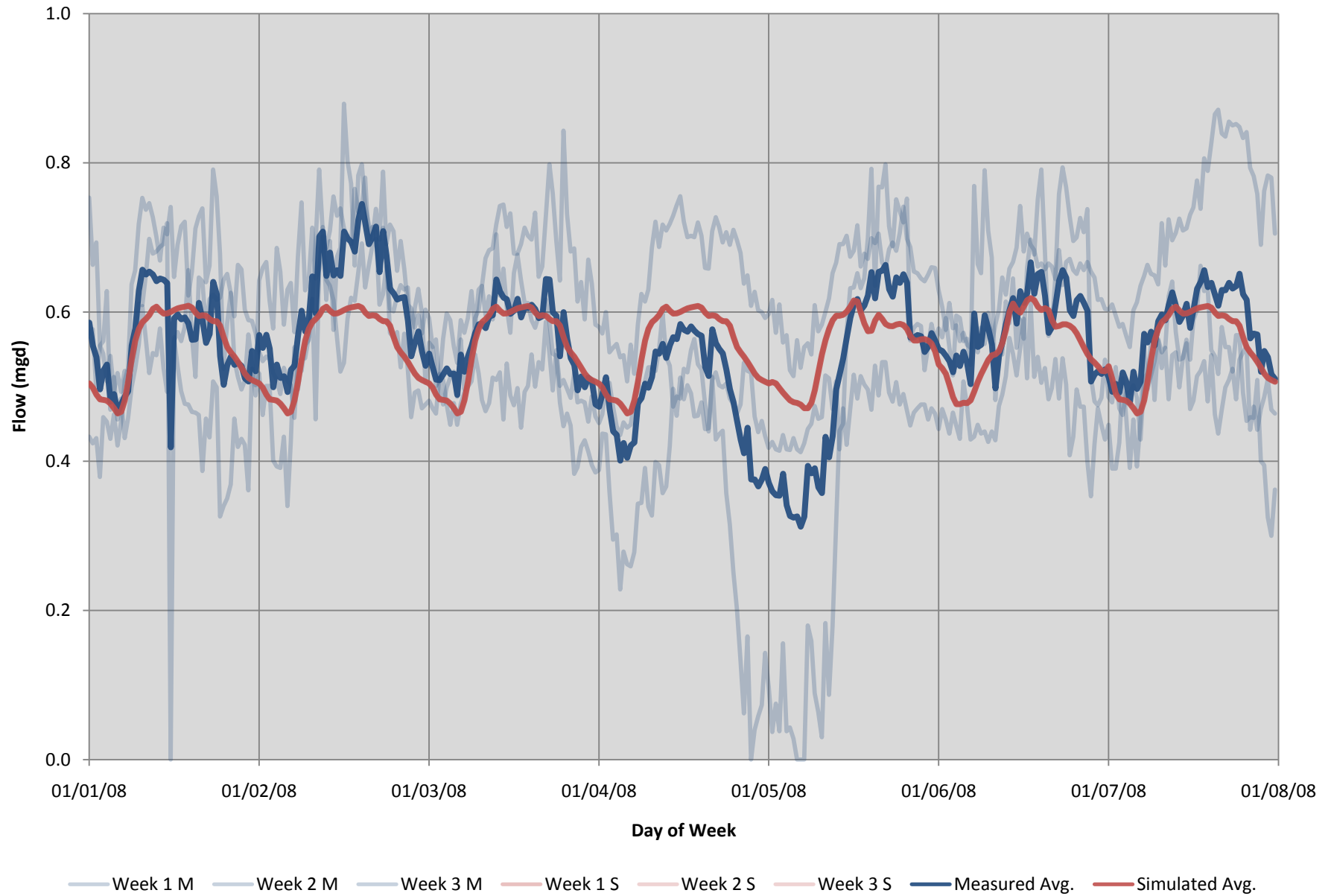


LL14 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.61	0.61	0.61	0.61	0.68	0.80	0.65	0.71	-14.1%	20%	-10%
Average Flow	0.55	0.55	0.55	0.55	0.51	0.64	0.52	0.56	-0.7%	20%	-10%
Total Volume	3.87	3.87	3.87	3.87	3.58	4.51	3.61	3.90	-0.7%	20%	-10%

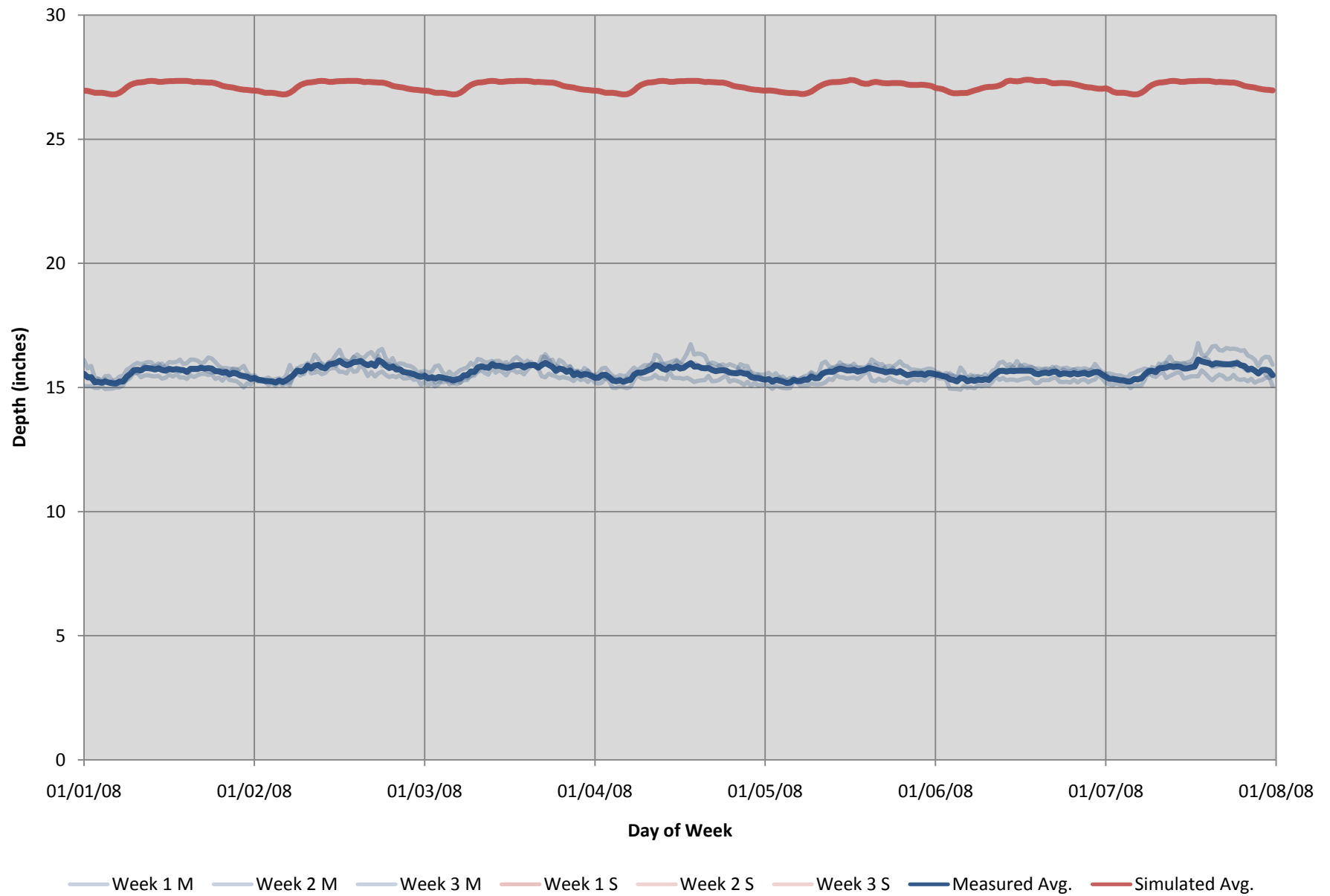
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.62	0.62	0.62	0.62	0.79	0.74	0.61	0.72
Monday	0.61	0.61	0.61	0.61	0.56	0.87	0.66	0.70
Tuesday	0.61	0.61	0.61	0.61	0.63	0.75	0.79	0.72
Wednesday	0.61	0.61	0.61	0.61	0.78	0.88	0.79	0.82
Thursday	0.61	0.61	0.61	0.61	0.70	0.84	0.59	0.71
Friday	0.61	0.61	0.61	0.61	0.51	0.76	0.60	0.62
Saturday	0.62	0.62	0.62	0.62	0.80	0.74	0.53	0.69

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

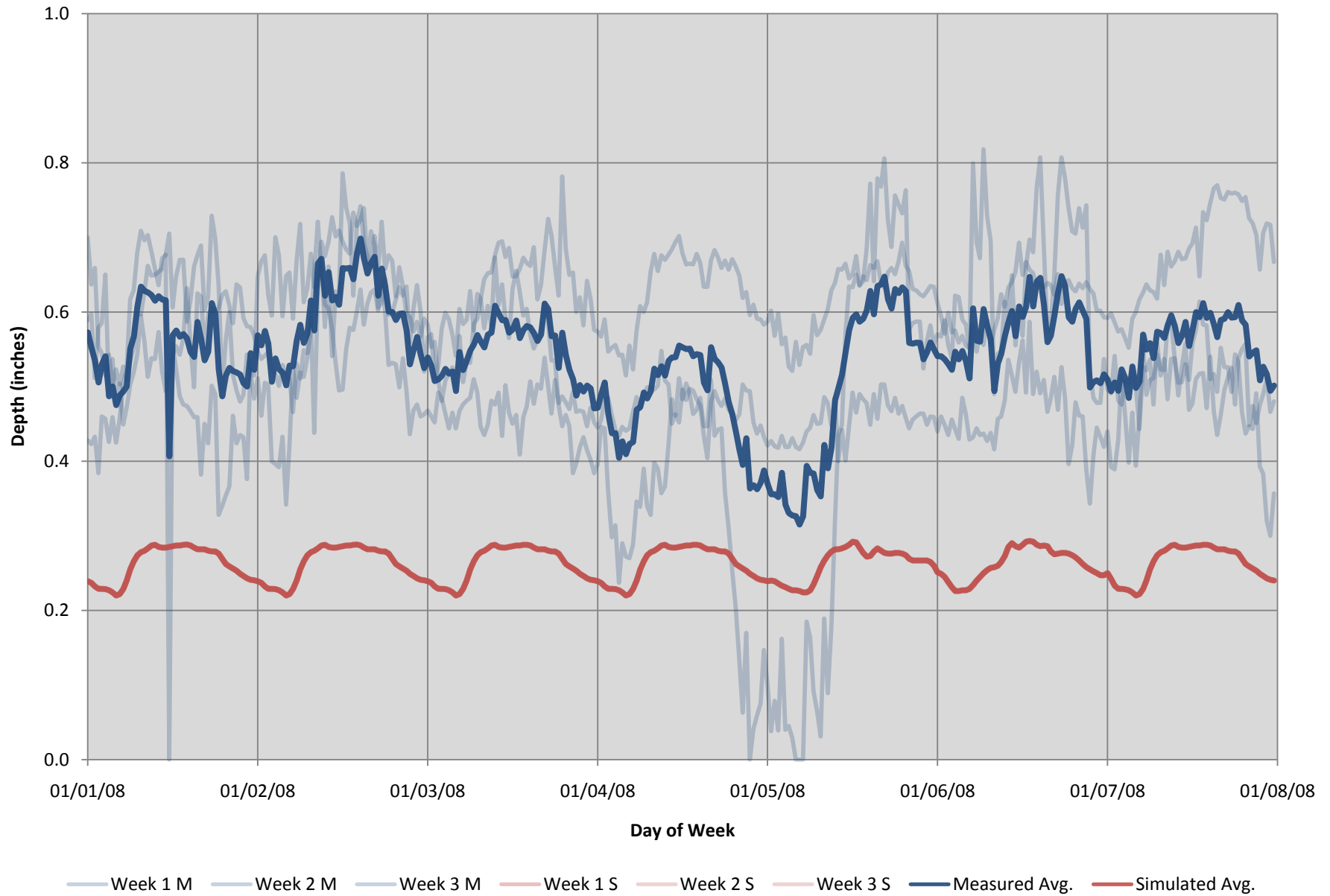
## LL14 DWF Calibration - Flow



## LL14 DWF Calibration - Depth



## LL14 DWF Calibration - Velocity

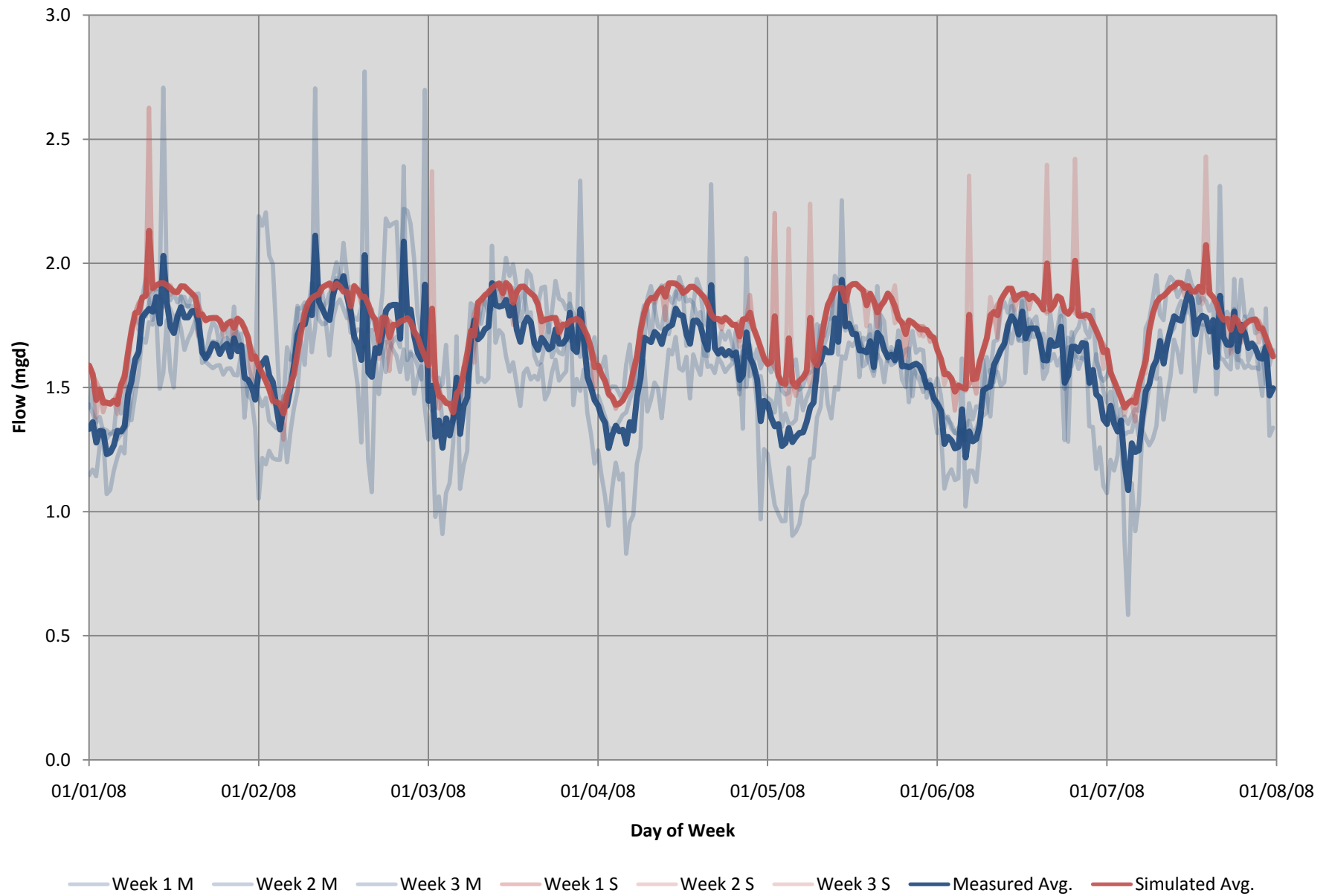


DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	2.06	2.04	2.12	2.07	1.94	1.98	2.32	2.08	-0.3%	20%	-10%
Average Flow	1.74	1.74	1.74	1.74	1.49	1.67	1.67	1.61	8.3%	20%	-10%
Total Volume	12.17	12.21	12.20	12.19	10.41	11.67	11.70	11.26	8.3%	20%	-10%

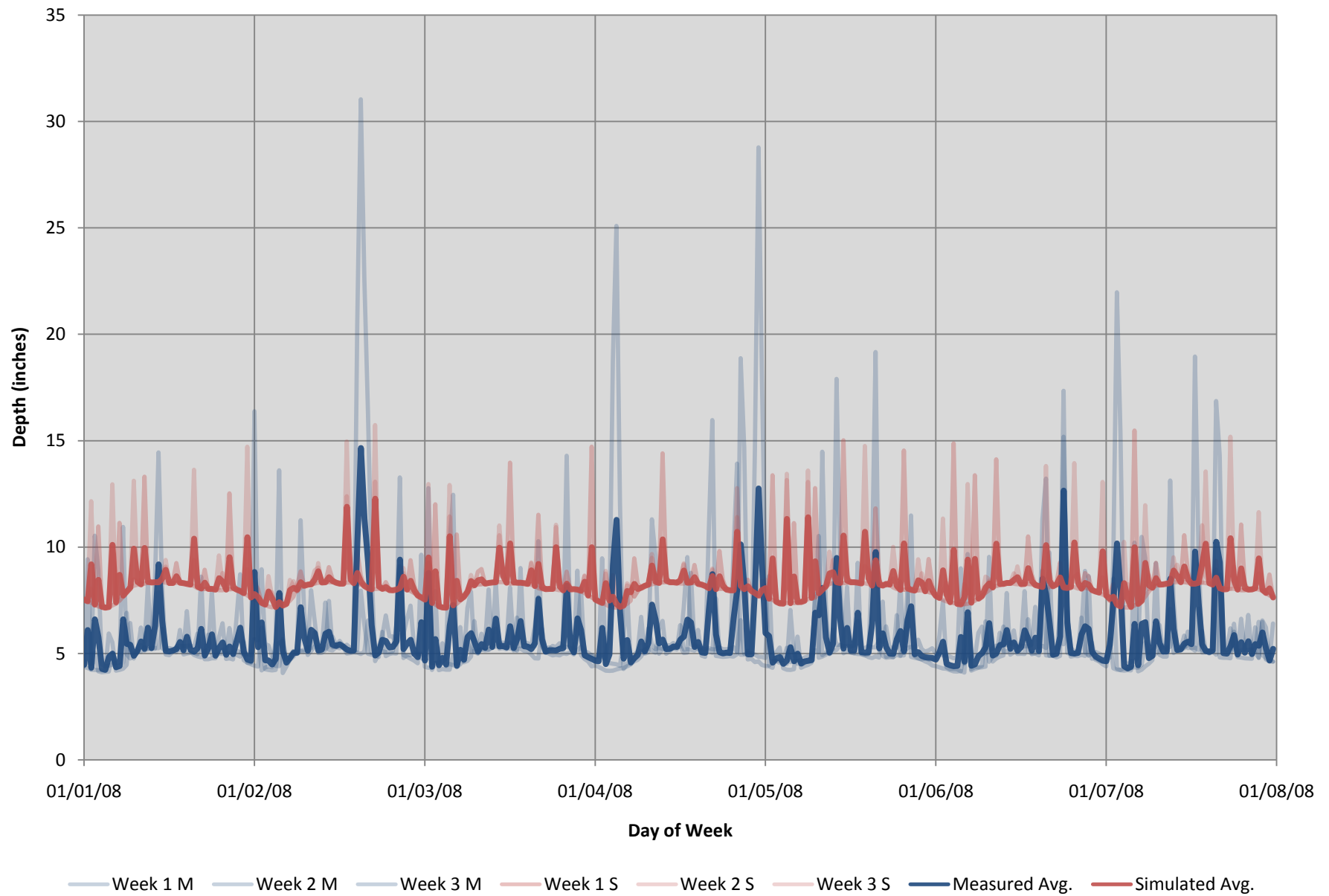
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.90	2.42	2.35	2.22	1.88	1.85	1.86	1.86
Monday	1.92	1.92	2.43	2.09	2.31	1.94	1.97	2.07
Tuesday	2.63	1.92	1.92	2.16	1.88	1.94	2.71	2.17
Wednesday	1.92	1.92	1.92	1.92	1.91	2.22	2.77	2.30
Thursday	1.92	1.92	2.37	2.07	2.07	2.02	2.33	2.14
Friday	1.92	1.92	1.92	1.92	1.73	1.95	2.32	2.00
Saturday	2.20	2.24	1.92	2.12	1.79	1.95	2.25	2.00

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL15 DWF Calibration - Flow

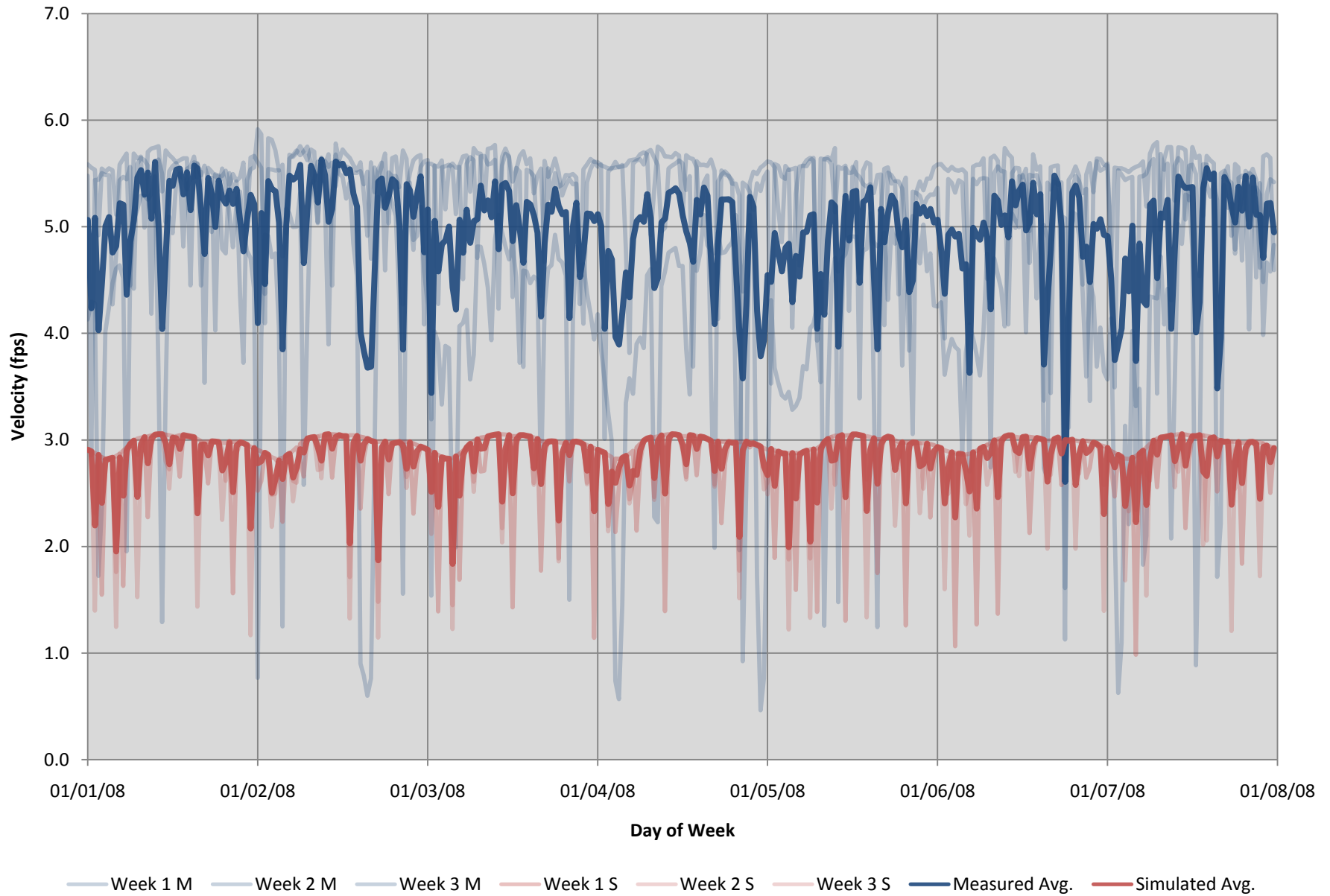


## LL15 DWF Calibration - Depth





## LL15 DWF Calibration - Velocity

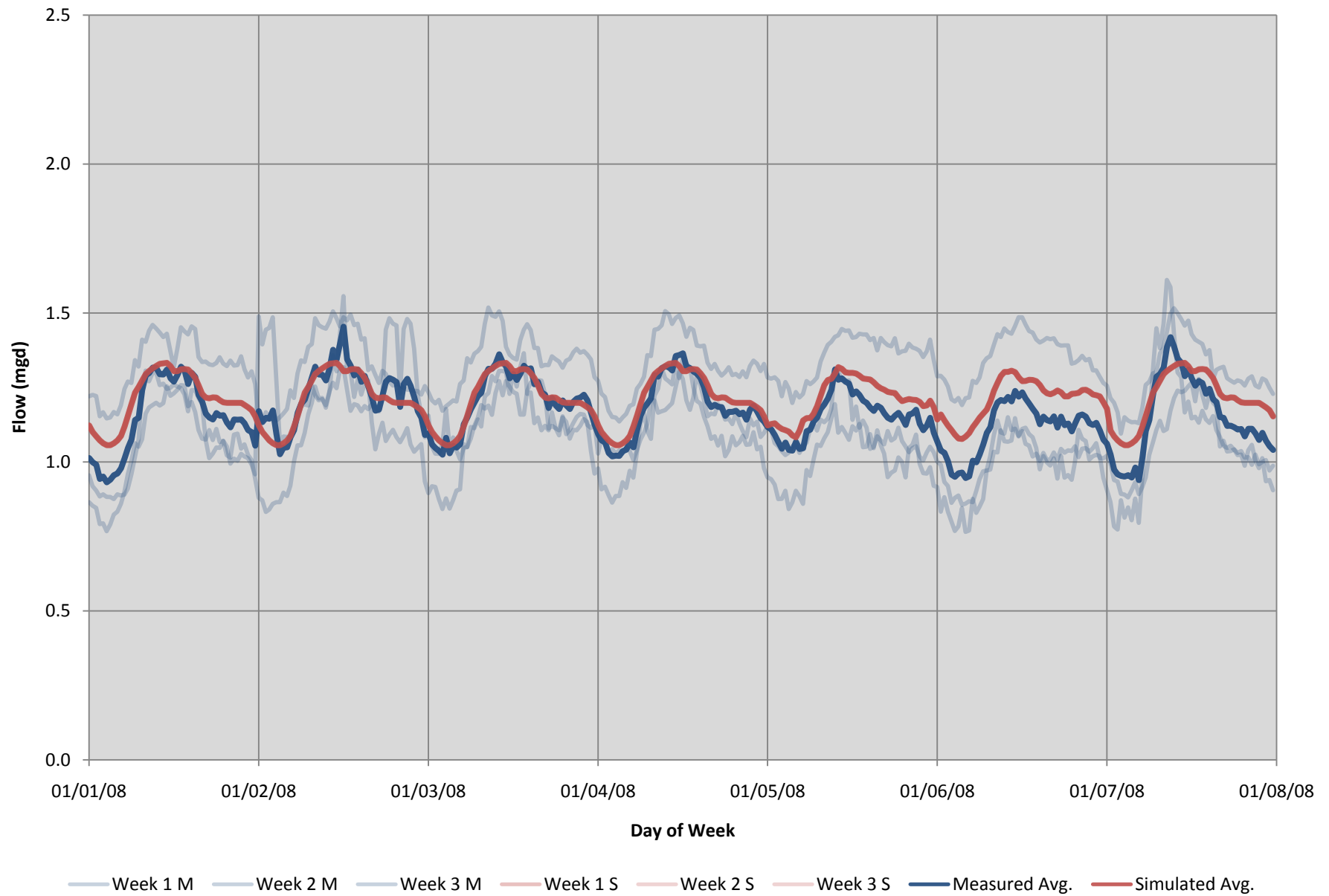


LL16 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.33	1.33	1.33	1.33	1.49	1.30	1.36	1.38	-4.1%	20%	-10%
Average Flow	1.21	1.21	1.21	1.21	1.33	1.11	1.06	1.17	3.6%	20%	-10%
Total Volume	8.47	8.47	8.47	8.47	9.31	7.79	7.43	8.18	3.6%	20%	-10%

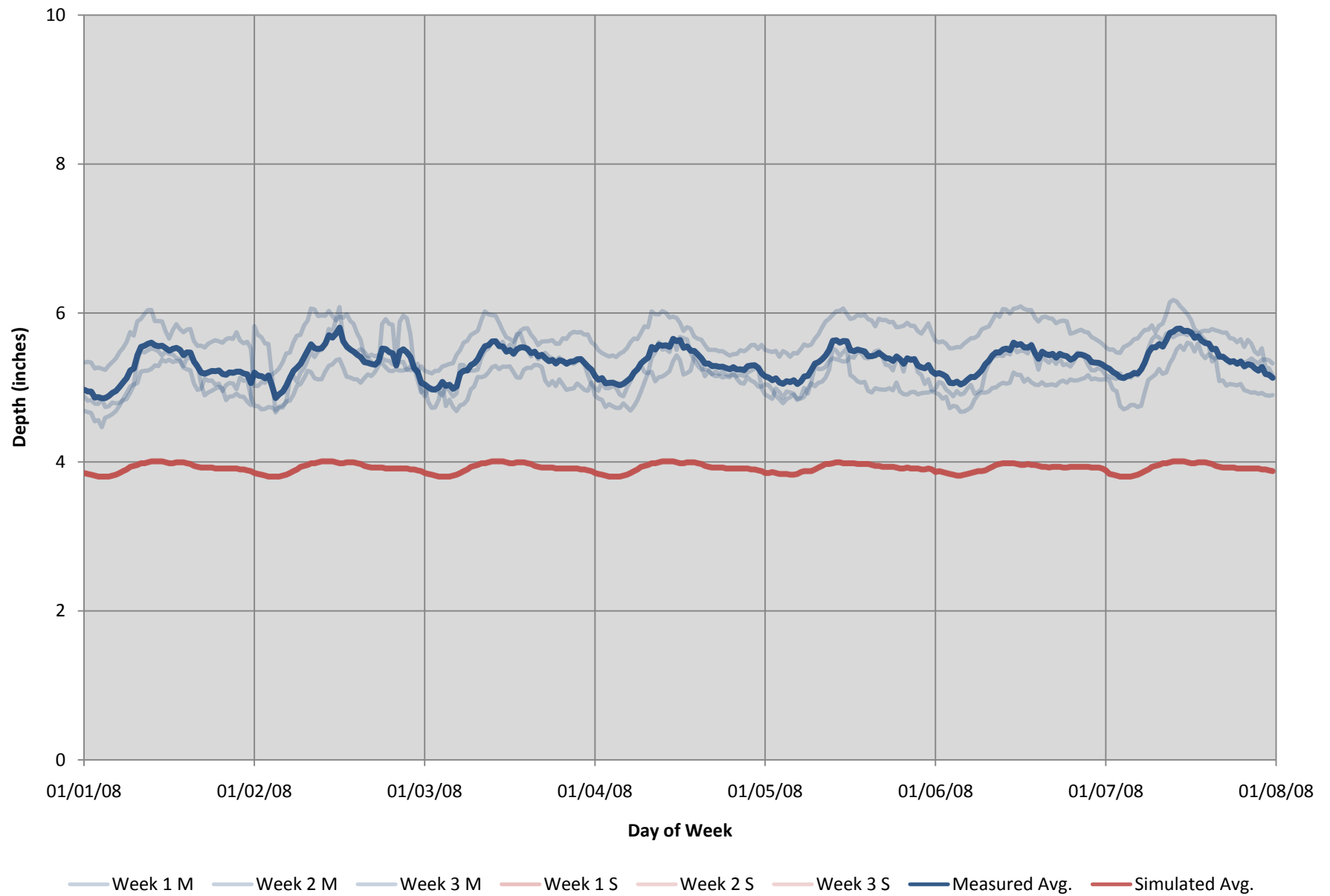
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.31	1.31	1.31	1.31	1.49	1.15	1.15	1.26
Monday	1.33	1.33	1.33	1.33	1.52	1.28	1.61	1.47
Tuesday	1.33	1.33	1.33	1.33	1.46	1.31	1.26	1.34
Wednesday	1.33	1.33	1.33	1.33	1.51	1.49	1.56	1.52
Thursday	1.33	1.33	1.33	1.33	1.52	1.28	1.37	1.39
Friday	1.33	1.33	1.33	1.33	1.51	1.30	1.35	1.39
Saturday	1.32	1.32	1.32	1.32	1.45	1.32	1.19	1.32

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

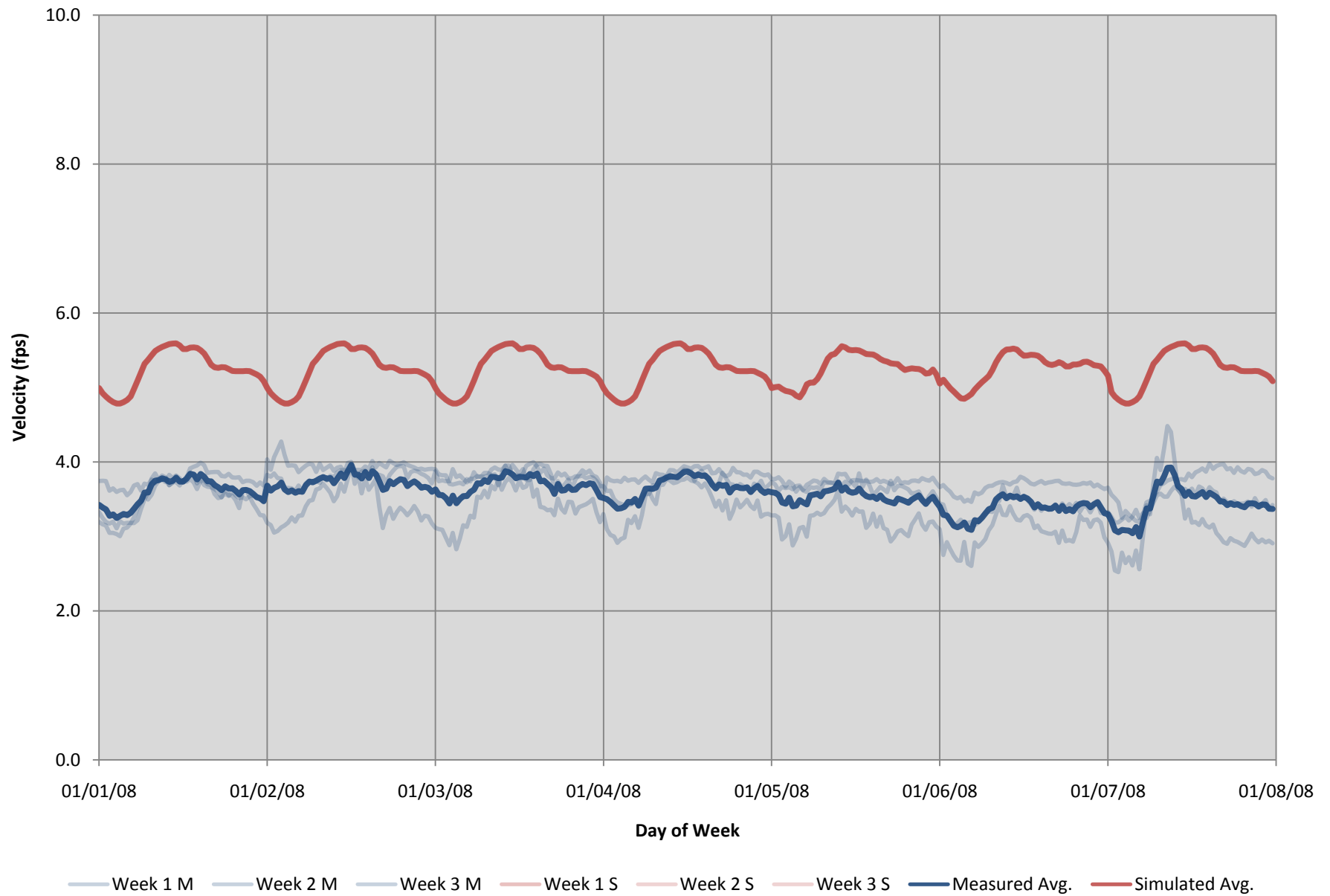
## LL16 DWF Calibration - Flow



## LL16 DWF Calibration - Depth



## LL16 DWF Calibration - Velocity

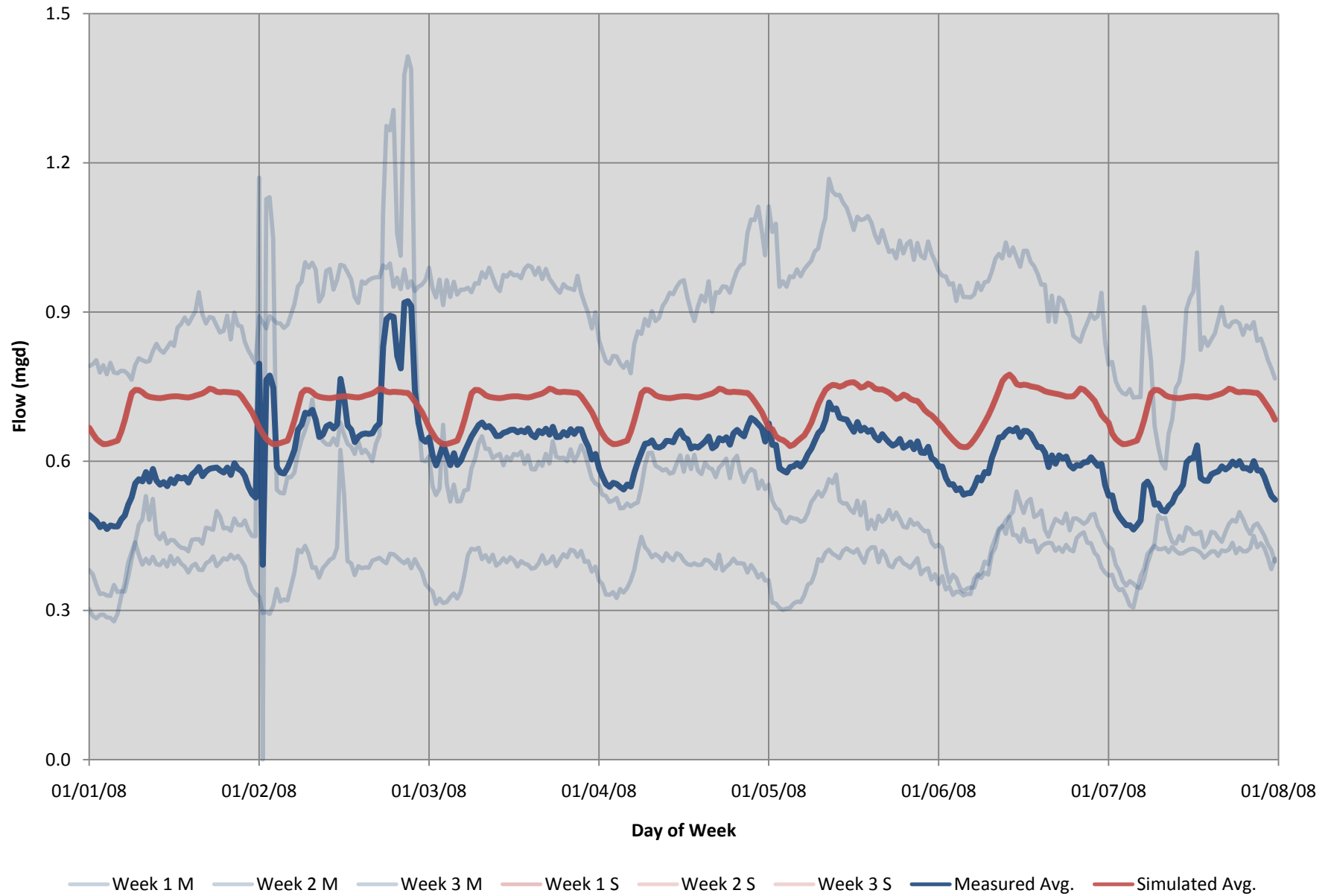


DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.75	0.75	0.75	0.75	1.04	0.69	0.47	0.73	2.4%	20%	-10%
Average Flow	0.71	0.71	0.71	0.71	0.92	0.54	0.39	0.62	15.6%	20%	-10%
Total Volume	4.98	4.98	4.98	4.98	6.45	3.75	2.72	4.31	15.6%	20%	-10%

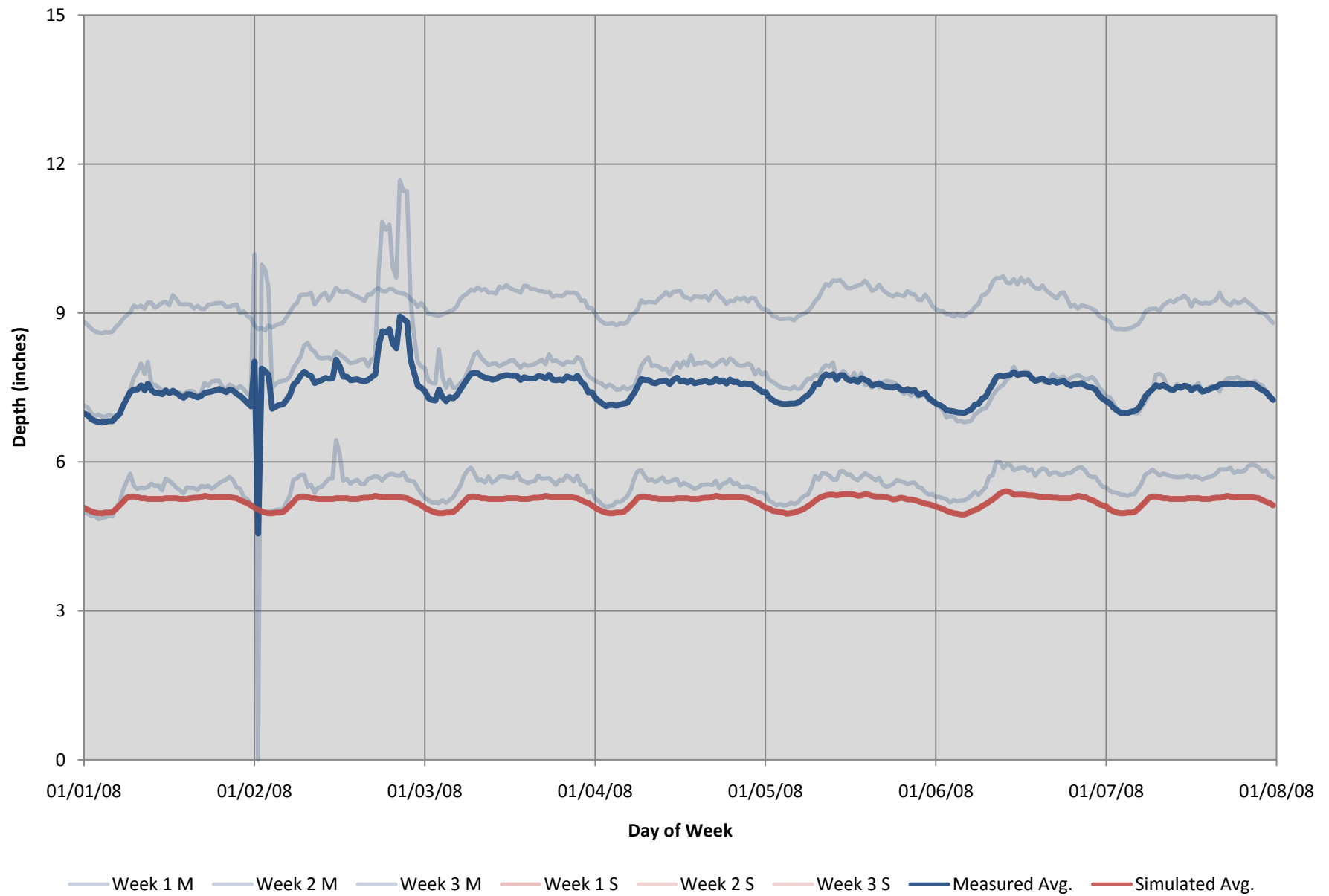
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.77	0.77	0.77	0.77	1.04	0.54	0.49	0.69
Monday	0.75	0.75	0.75	0.75	1.02	0.50	0.45	0.66
Tuesday	0.75	0.75	0.75	0.75	0.94	0.53	0.44	0.64
Wednesday	0.75	0.75	0.75	0.75	1.00	1.41	0.62	1.01
Thursday	0.75	0.75	0.75	0.75	0.99	0.67	0.43	0.70
Friday	0.75	0.75	0.75	0.75	1.11	0.62	0.45	0.73
Saturday	0.76	0.76	0.76	0.76	1.17	0.57	0.43	0.72

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL17 DWF Calibration - Flow

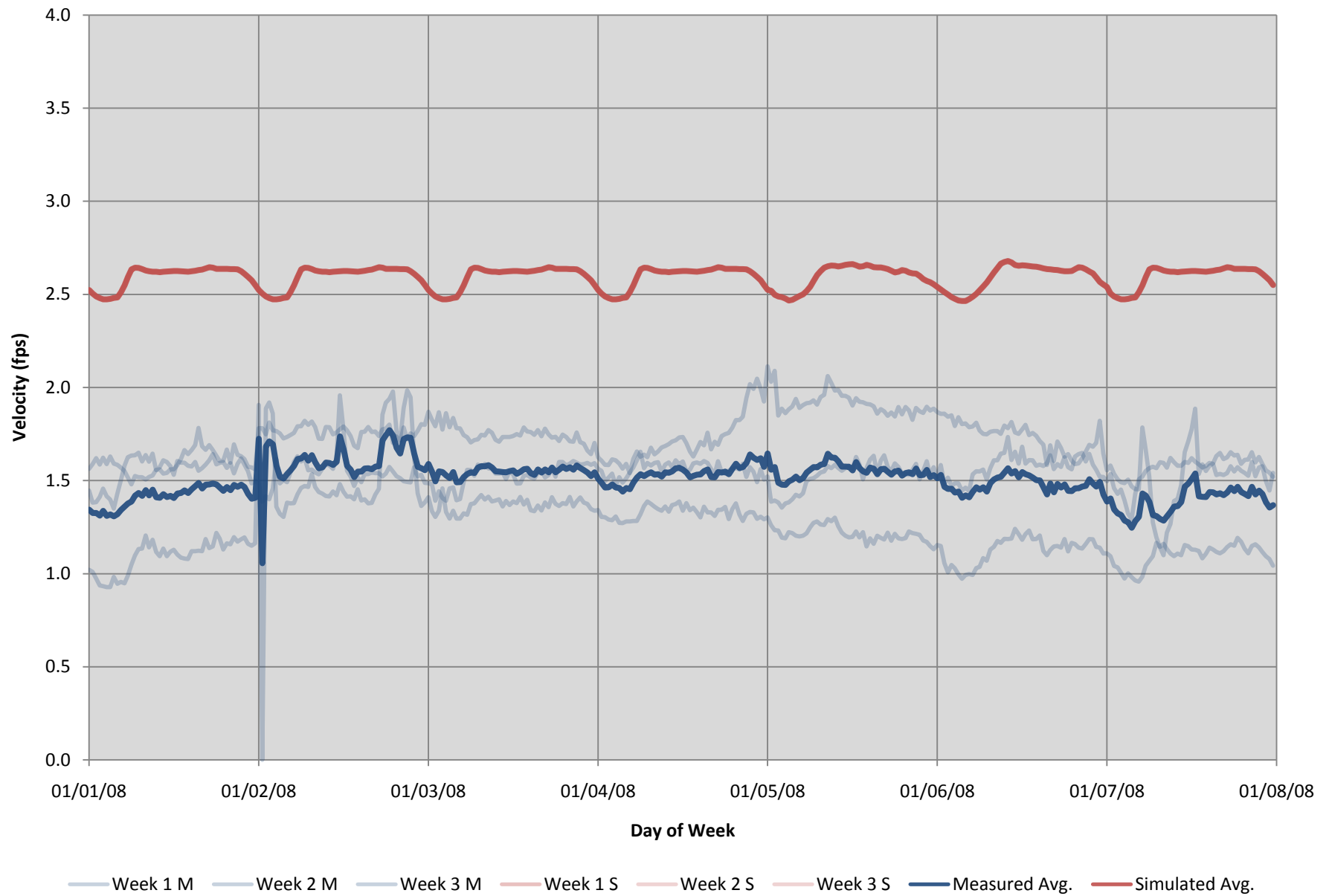


## LL17 DWF Calibration - Depth





## LL17 DWF Calibration - Velocity

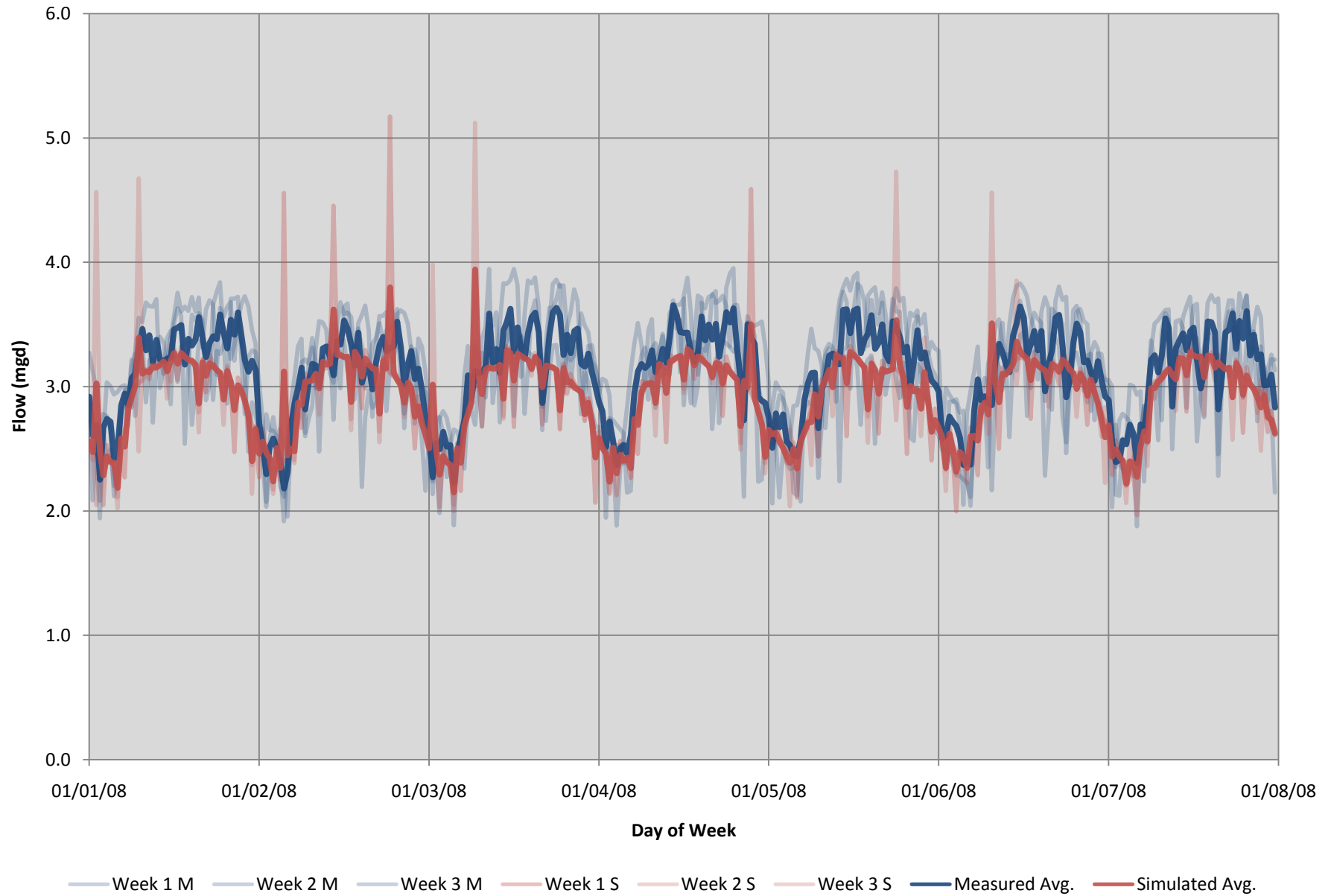


LL18 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	3.76	3.88	3.76	3.80	3.80	3.79	3.52	3.70	2.7%	20%	-10%
Average Flow	2.93	2.94	2.93	2.93	3.24	3.14	2.97	3.12	-6.0%	20%	-10%
Total Volume	20.50	20.56	20.48	20.51	22.67	21.96	20.81	21.81	-6.0%	20%	-10%

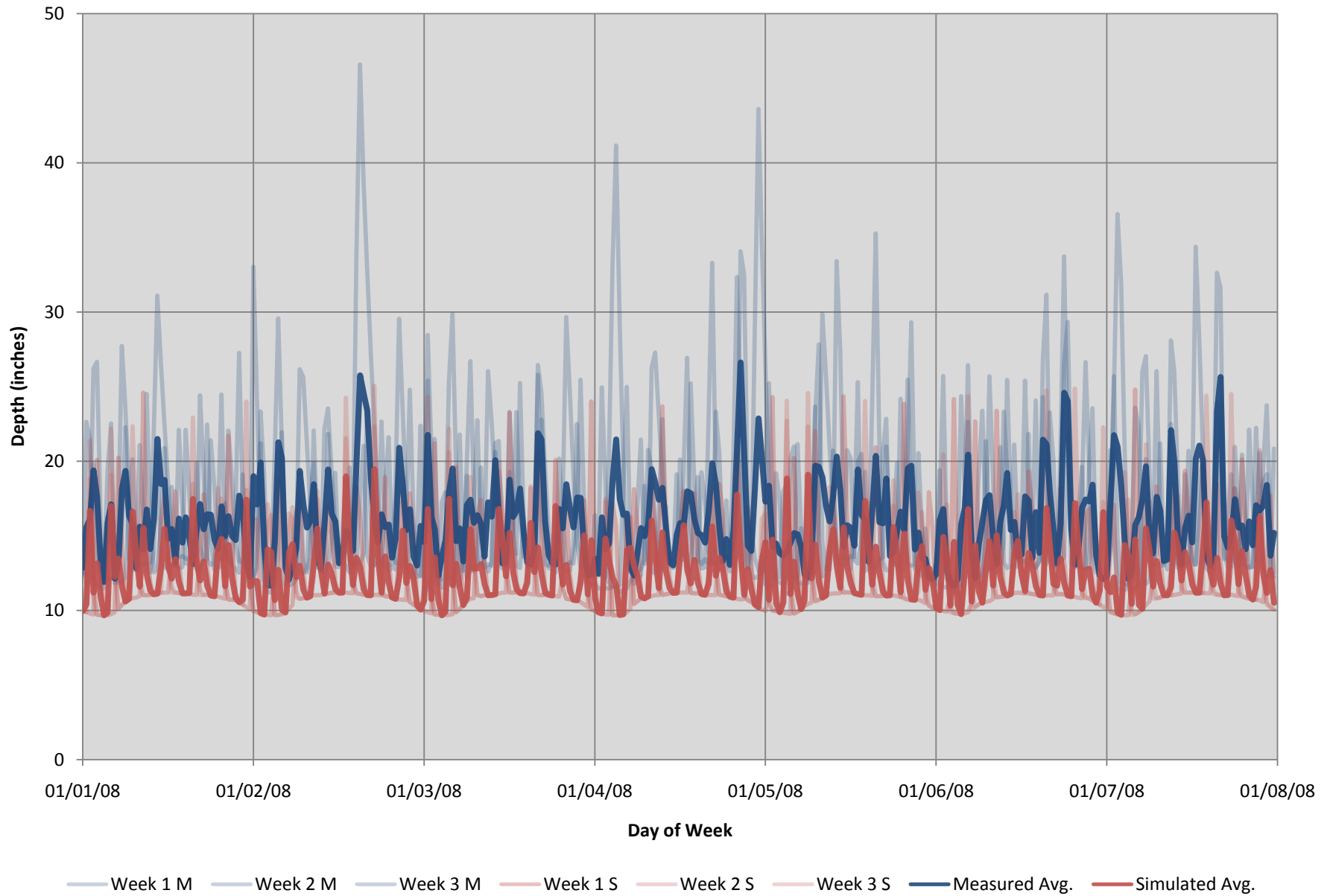
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	3.28	3.85	4.56	3.90	3.83	3.69	3.44	3.65
Monday	3.34	3.31	3.28	3.31	3.75	3.73	3.48	3.65
Tuesday	3.33	4.68	3.30	3.77	3.76	3.84	3.53	3.71
Wednesday	5.17	3.30	3.32	3.93	3.68	3.67	3.51	3.62
Thursday	3.31	3.98	5.12	4.14	3.95	3.82	3.50	3.76
Friday	4.59	3.33	3.33	3.75	3.75	3.95	3.62	3.77
Saturday	3.33	4.73	3.40	3.82	3.92	3.83	3.54	3.76

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

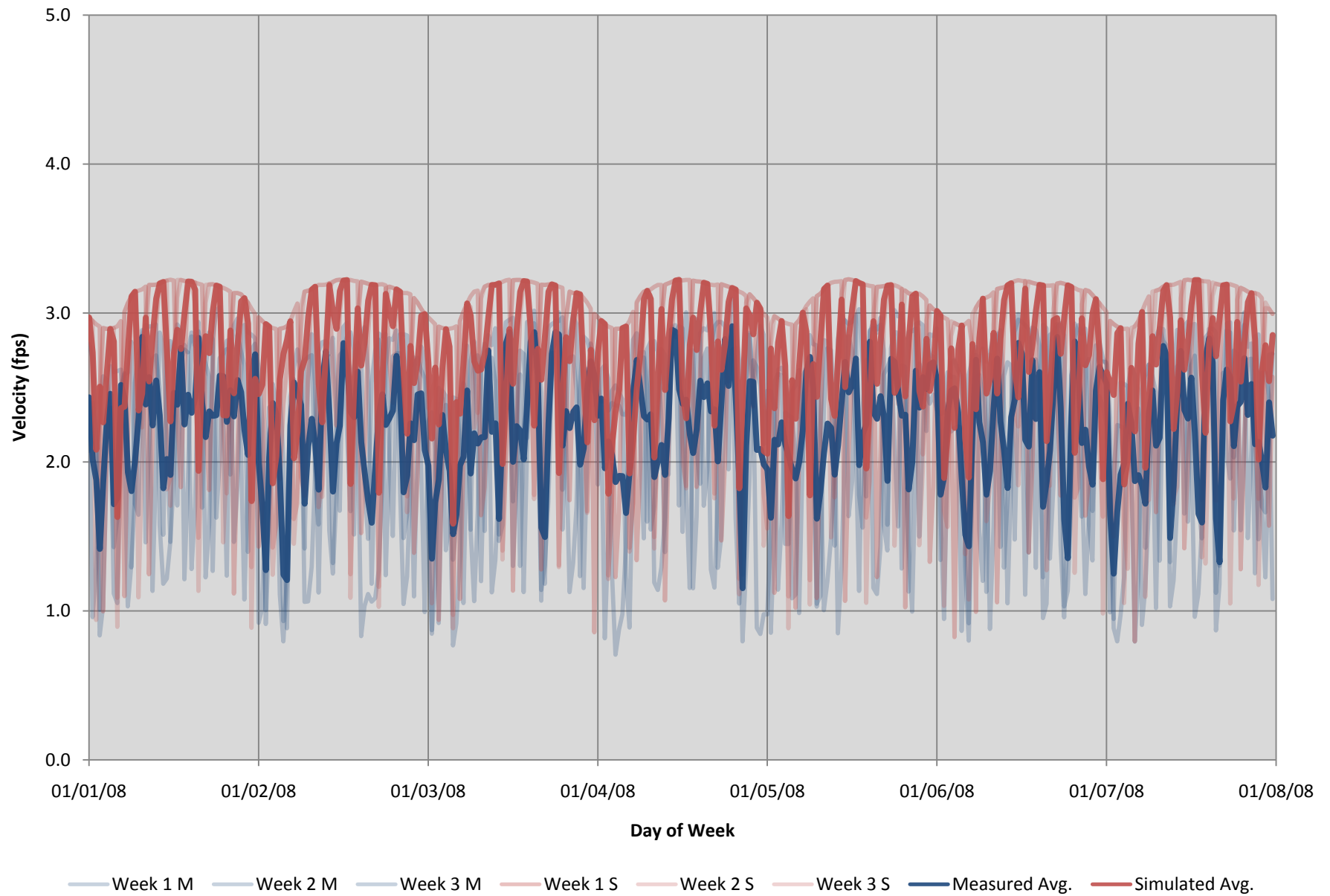
## LL18 DWF Calibration - Flow



## LL18 DWF Calibration - Depth



## LL18 DWF Calibration - Velocity

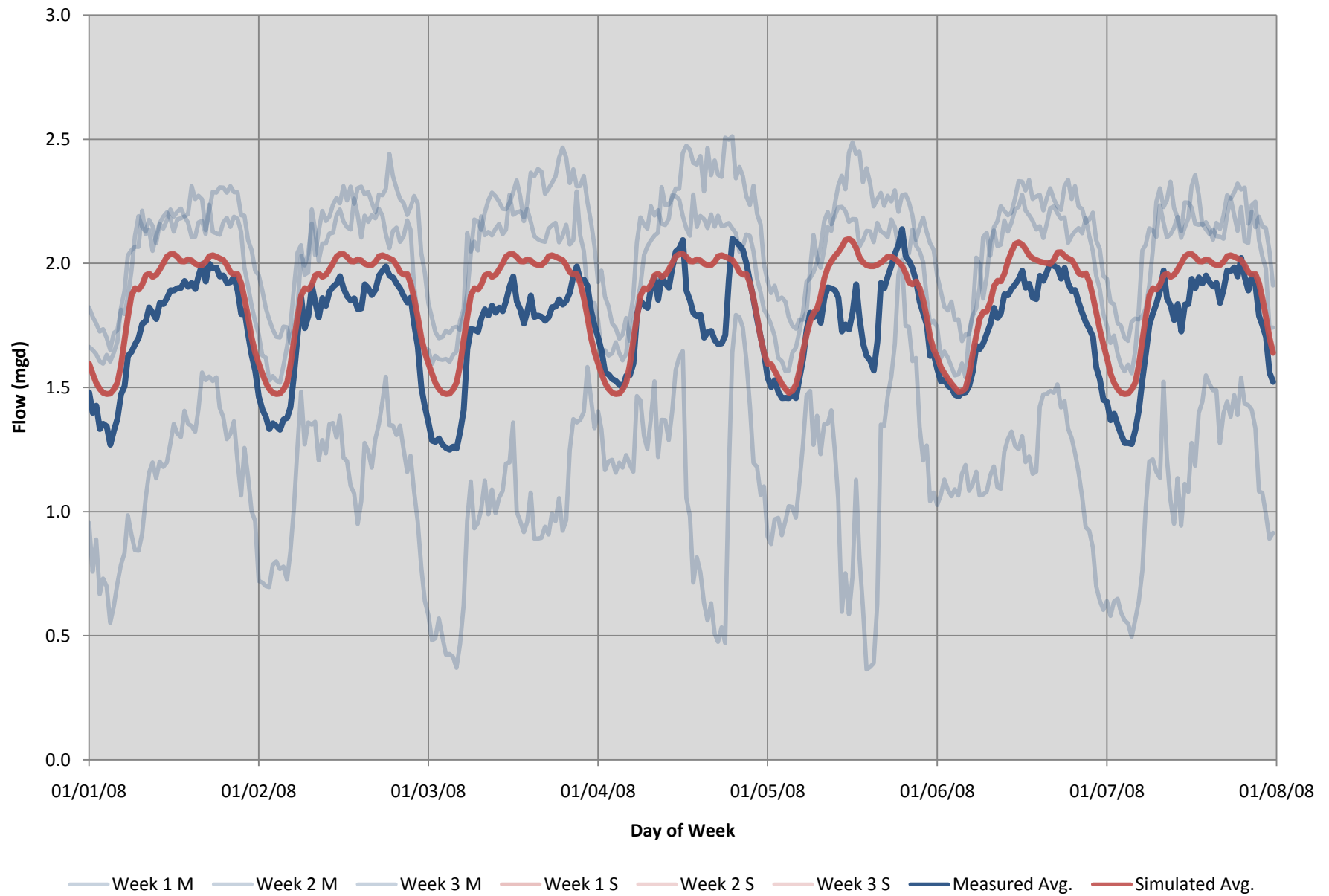


LL19 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	2.05	2.05	2.05	2.05	1.65	2.42	2.26	2.11	-2.7%	20%	-10%
Average Flow	1.86	1.86	1.86	1.86	1.12	2.12	2.01	1.75	6.2%	20%	-10%
Total Volume	12.99	12.99	12.99	12.99	7.82	14.83	14.06	12.23	6.2%	20%	-10%

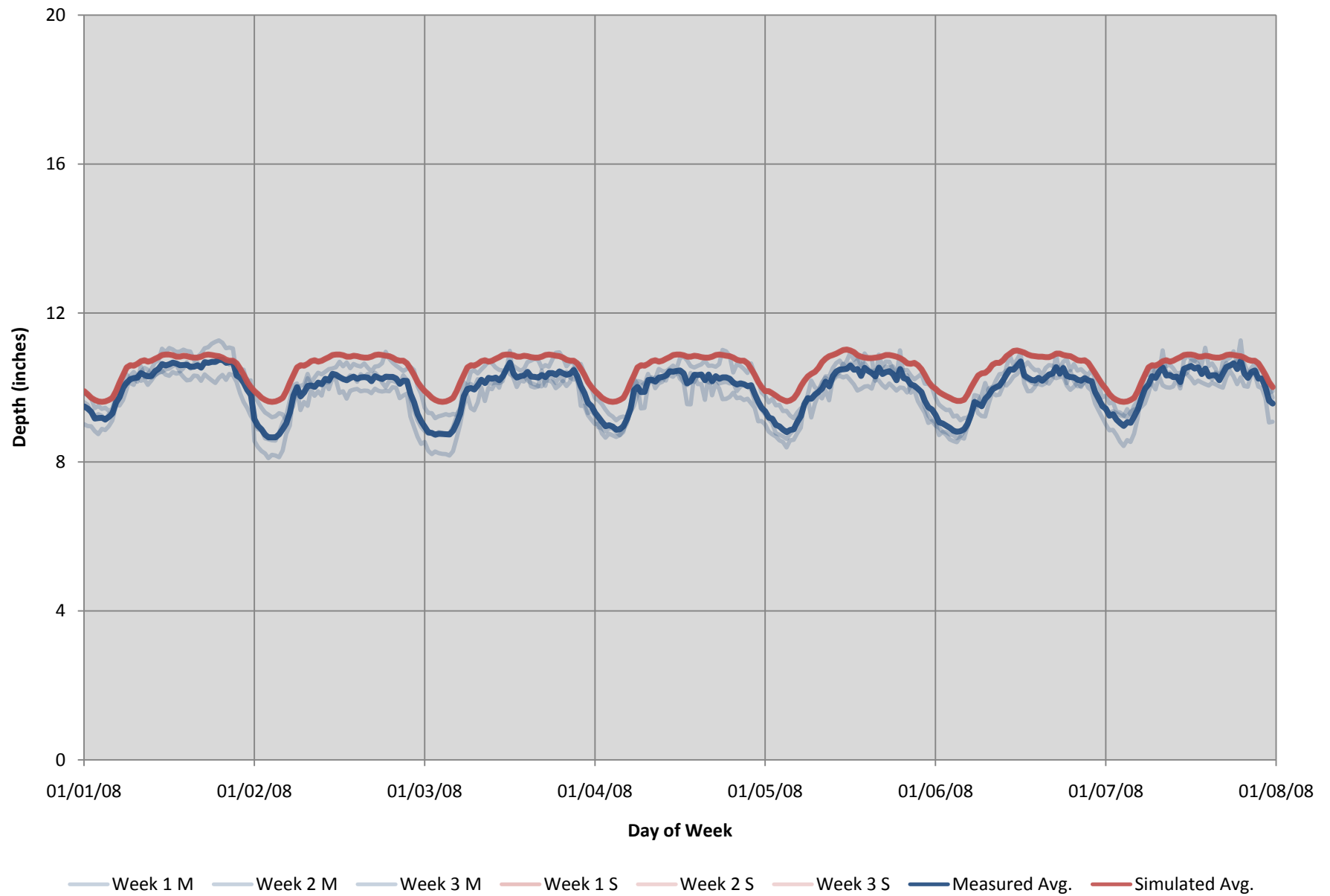
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	2.08	2.08	2.08	2.08	1.51	2.34	2.28	2.04
Monday	2.04	2.04	2.04	2.04	1.55	2.36	2.26	2.06
Tuesday	2.04	2.04	2.04	2.04	1.56	2.31	2.24	2.04
Wednesday	2.04	2.04	2.04	2.04	1.54	2.44	2.26	2.08
Thursday	2.04	2.04	2.04	2.04	1.58	2.47	2.29	2.11
Friday	2.04	2.04	2.04	2.04	1.79	2.51	2.28	2.19
Saturday	2.10	2.10	2.10	2.10	2.01	2.49	2.23	2.24

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL19 DWF Calibration - Flow

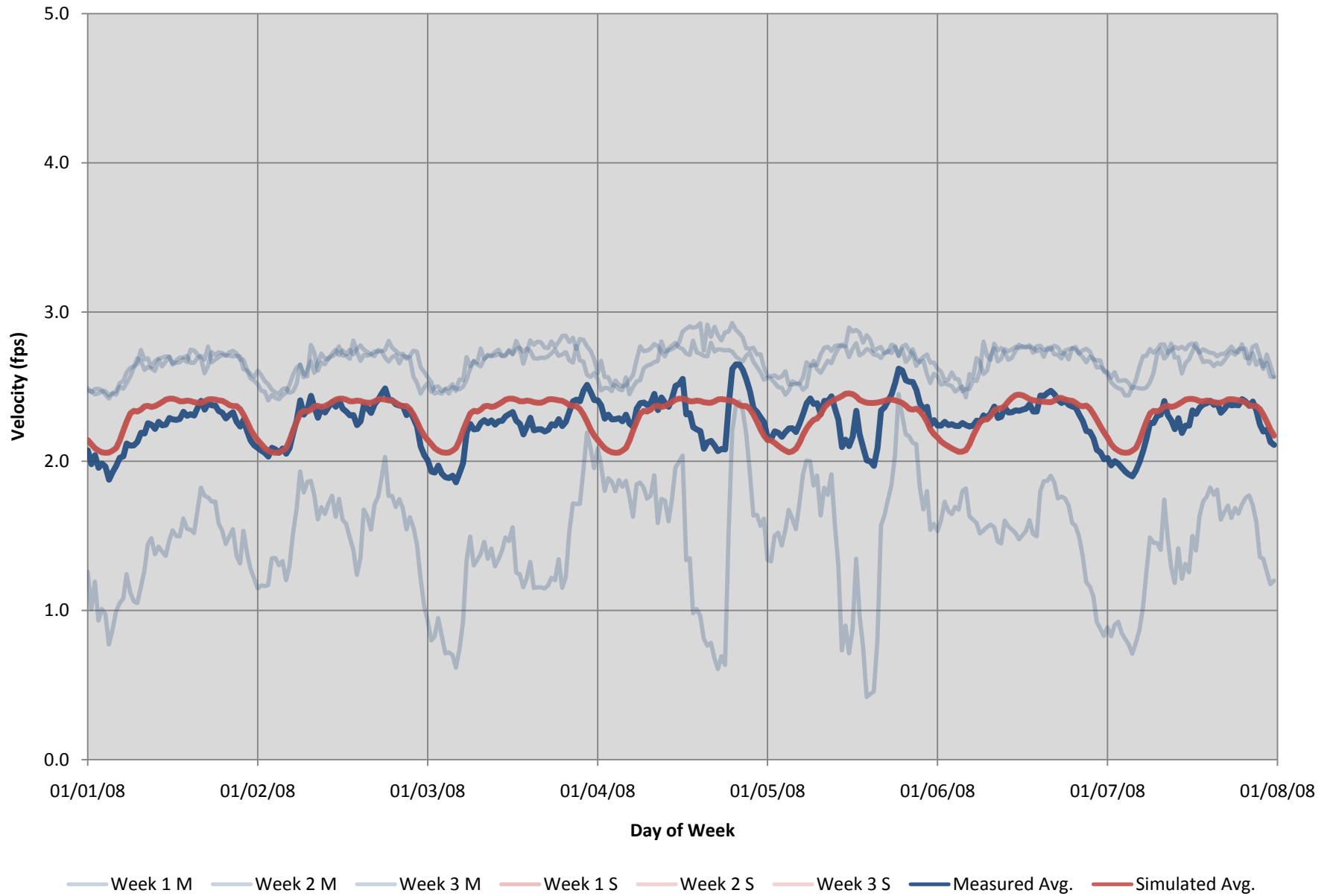


## LL19 DWF Calibration - Depth





## LL19 DWF Calibration - Velocity

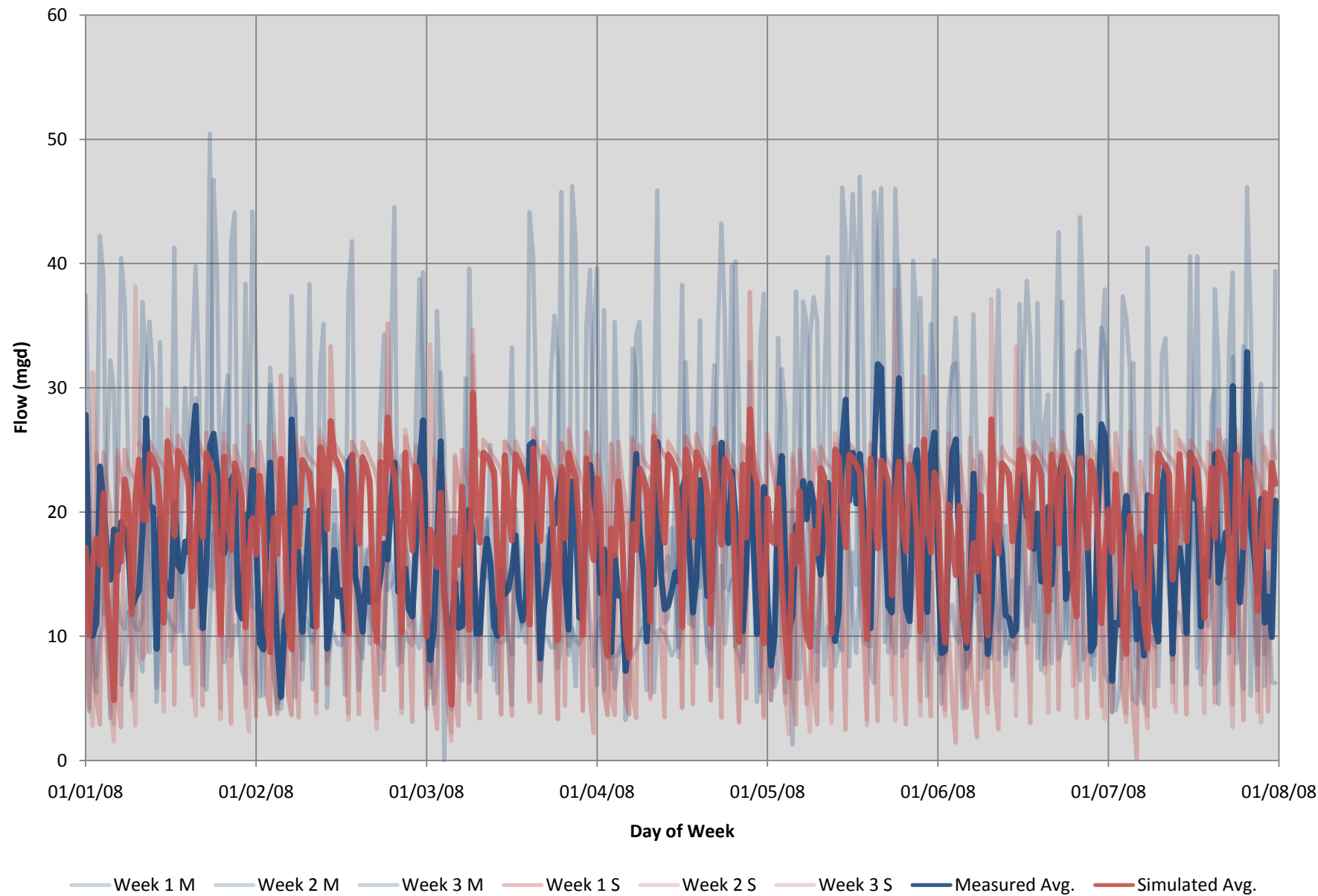


LL20 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	29.24	31.91	30.20	30.45	44.18	45.01	22.18	37.12	-18.0%	20%	-10%
Average Flow	18.89	19.23	19.17	19.10	17.84	19.96	12.84	16.88	13.1%	20%	-10%
Total Volume	132.23	134.62	134.21	133.68	124.87	139.70	89.88	118.15	13.1%	20%	-10%

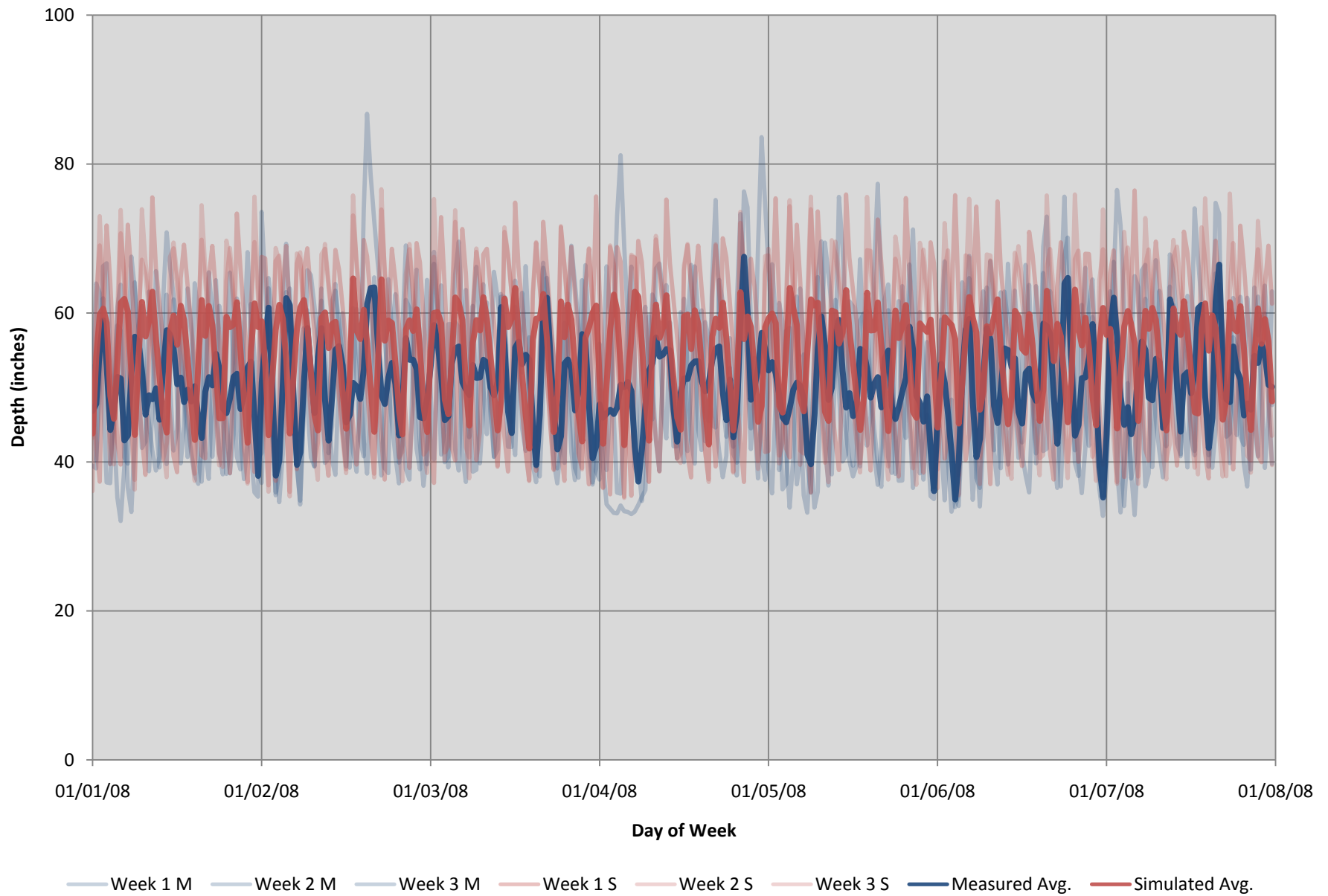
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	26.46	33.33	37.15	32.31	38.61	43.74	21.85	34.73
Monday	26.73	26.52	26.69	26.64	40.58	46.15	25.79	37.51
Tuesday	26.40	38.17	28.28	30.95	50.45	46.75	21.13	39.44
Wednesday	35.16	26.08	26.63	29.29	44.53	39.31	21.74	35.19
Thursday	26.64	33.51	34.66	31.60	45.77	46.22	20.31	37.43
Friday	37.72	27.85	27.05	30.87	43.24	45.89	22.34	37.16
Saturday	25.56	37.90	30.91	31.46	46.08	46.99	22.11	38.39

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

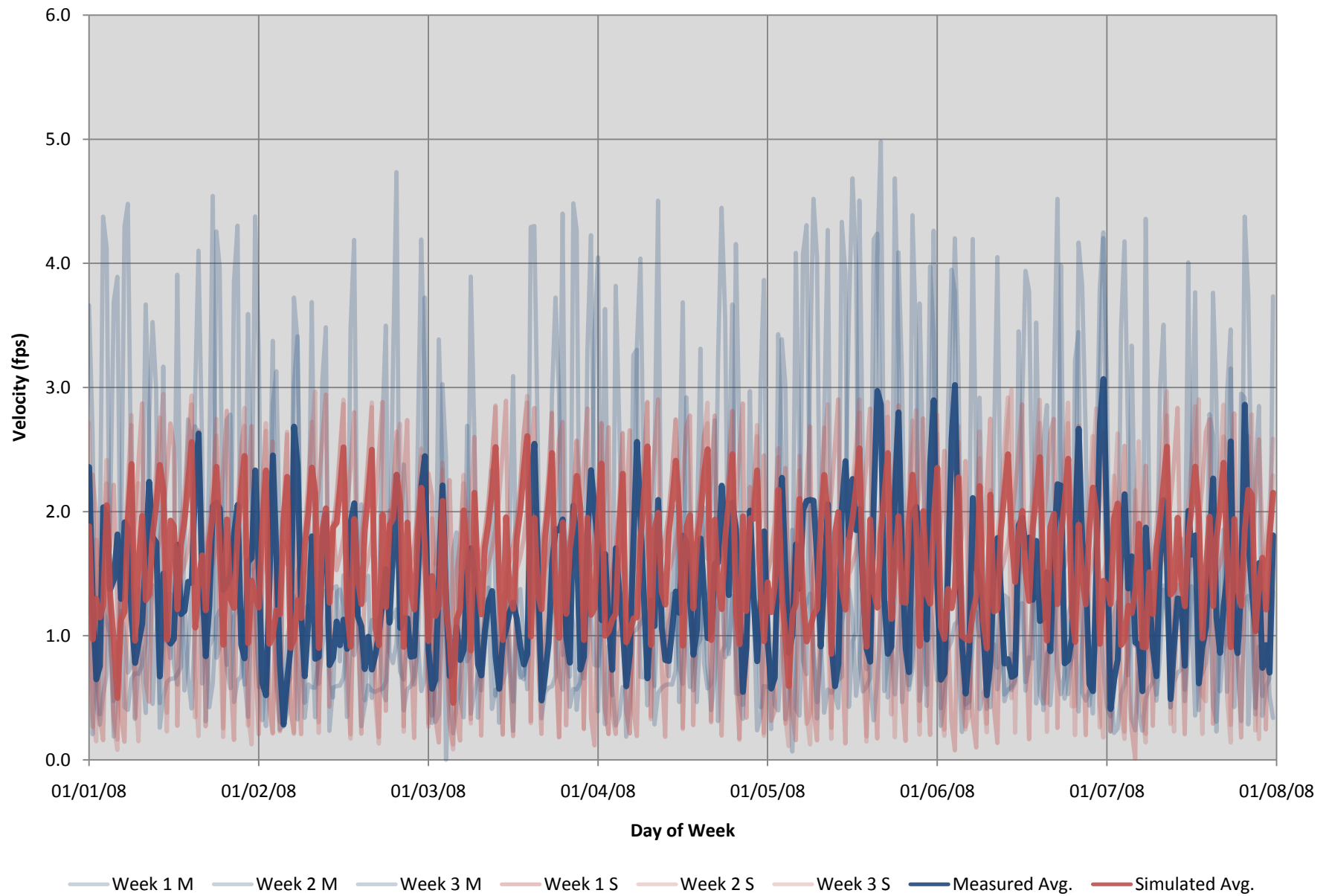
LL20 DWF Calibration - Flow



## LL20 DWF Calibration - Depth



## LL20 DWF Calibration - Velocity

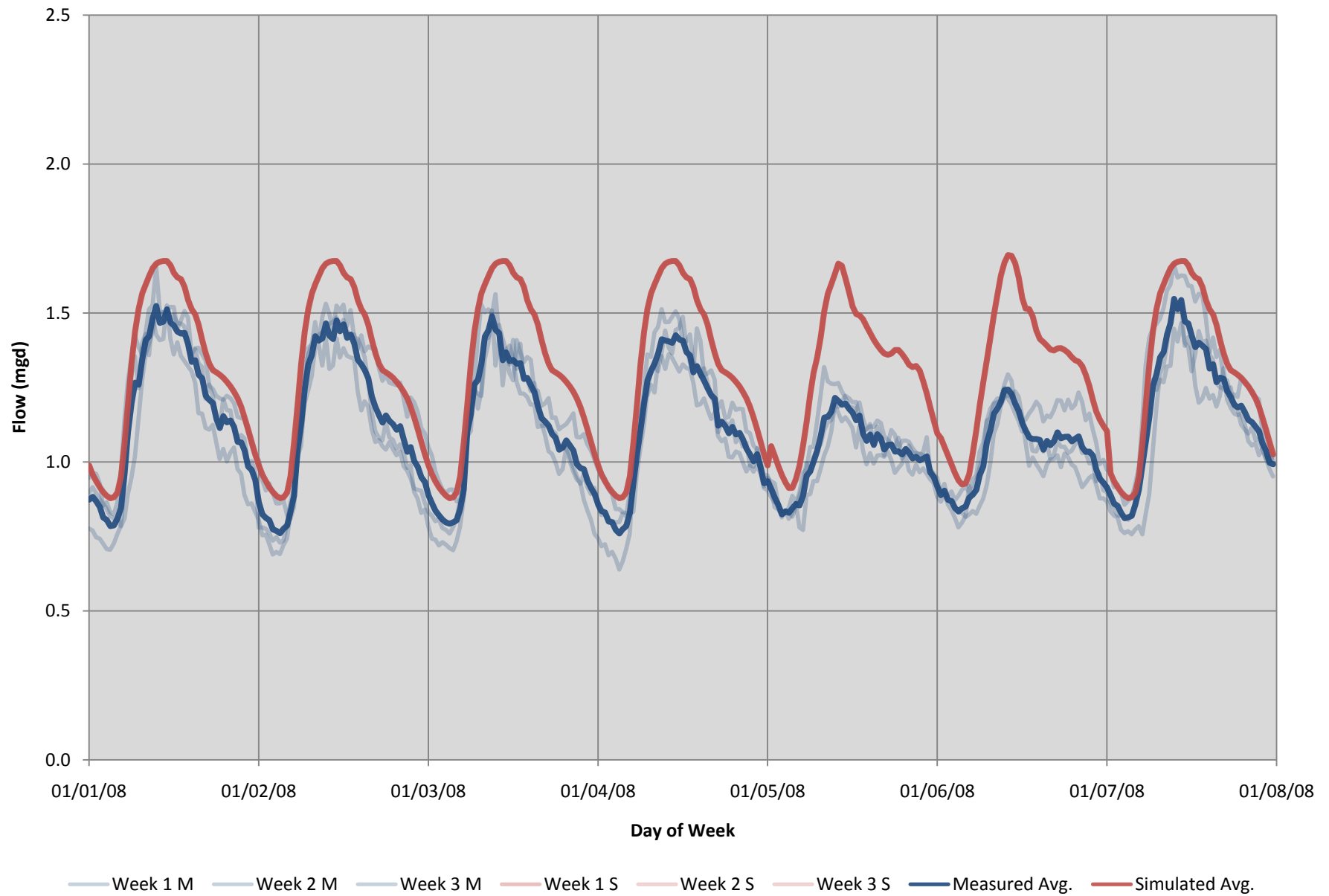


LL21 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.68	1.68	1.68	1.68	1.41	1.44	1.47	1.44	16.5%	20%	-10%
Average Flow	1.31	1.31	1.31	1.31	1.09	1.12	1.12	1.11	17.6%	20%	-10%
Total Volume	9.16	9.16	9.16	9.16	7.65	7.83	7.87	7.78	17.6%	20%	-10%

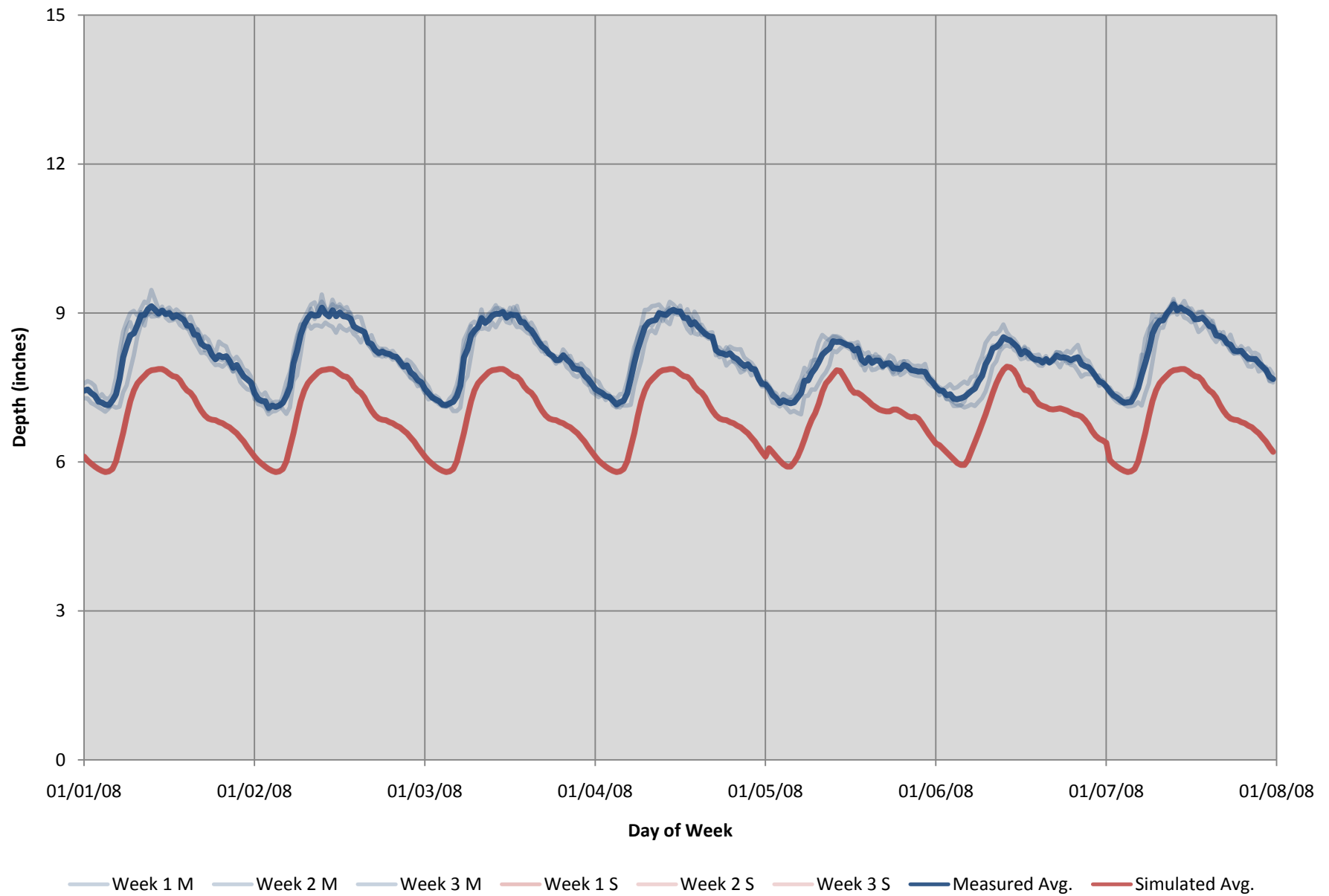
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.69	1.69	1.69	1.69	1.25	1.24	1.29	1.26
Monday	1.67	1.67	1.67	1.67	1.47	1.54	1.66	1.56
Tuesday	1.67	1.67	1.67	1.67	1.66	1.52	1.53	1.57
Wednesday	1.67	1.67	1.67	1.67	1.42	1.49	1.53	1.48
Thursday	1.67	1.67	1.67	1.67	1.51	1.56	1.47	1.51
Friday	1.67	1.67	1.67	1.67	1.36	1.49	1.51	1.45
Saturday	1.67	1.67	1.67	1.67	1.19	1.22	1.32	1.24

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL21 DWF Calibration - Flow

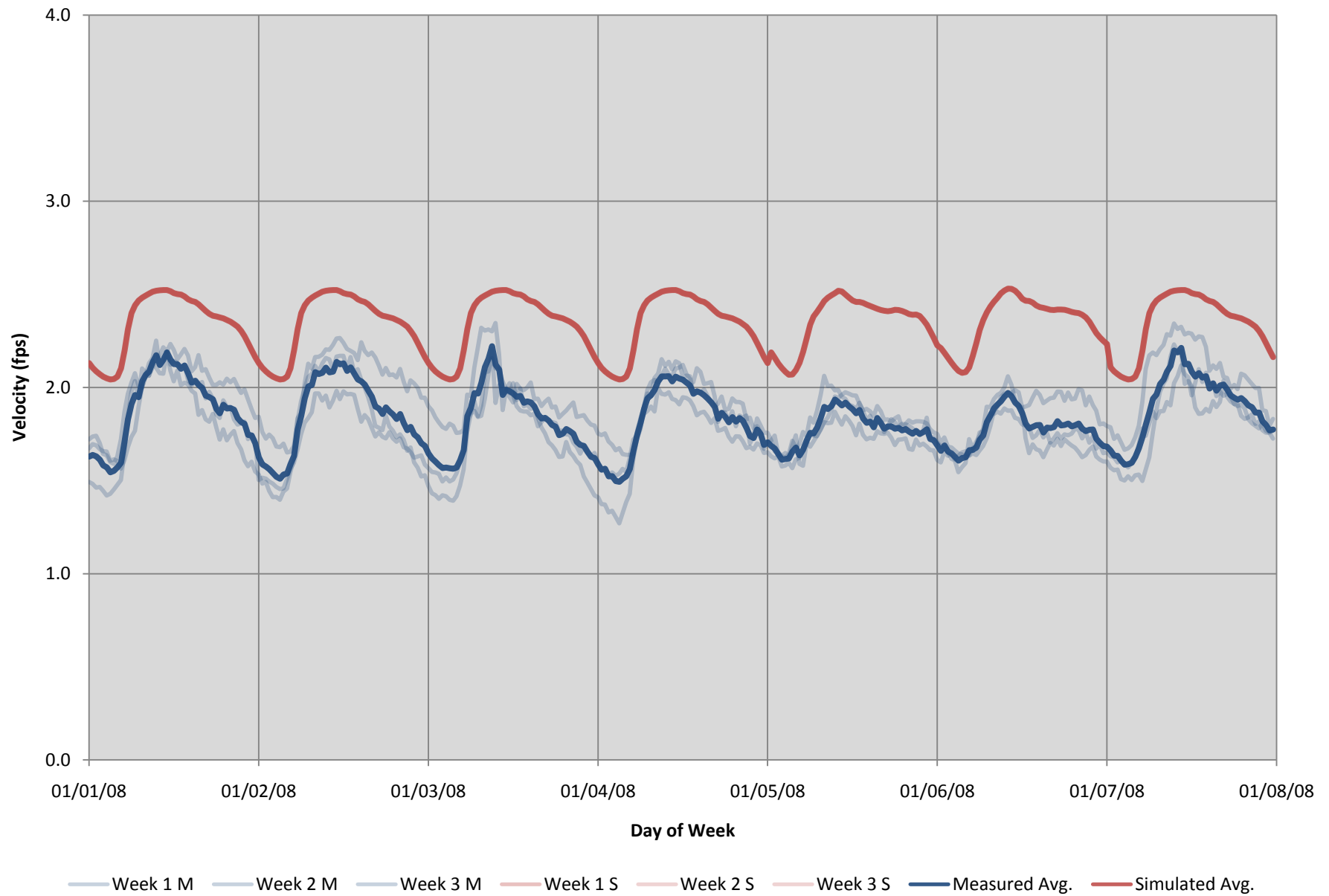


## LL21 DWF Calibration - Depth





## LL21 DWF Calibration - Velocity

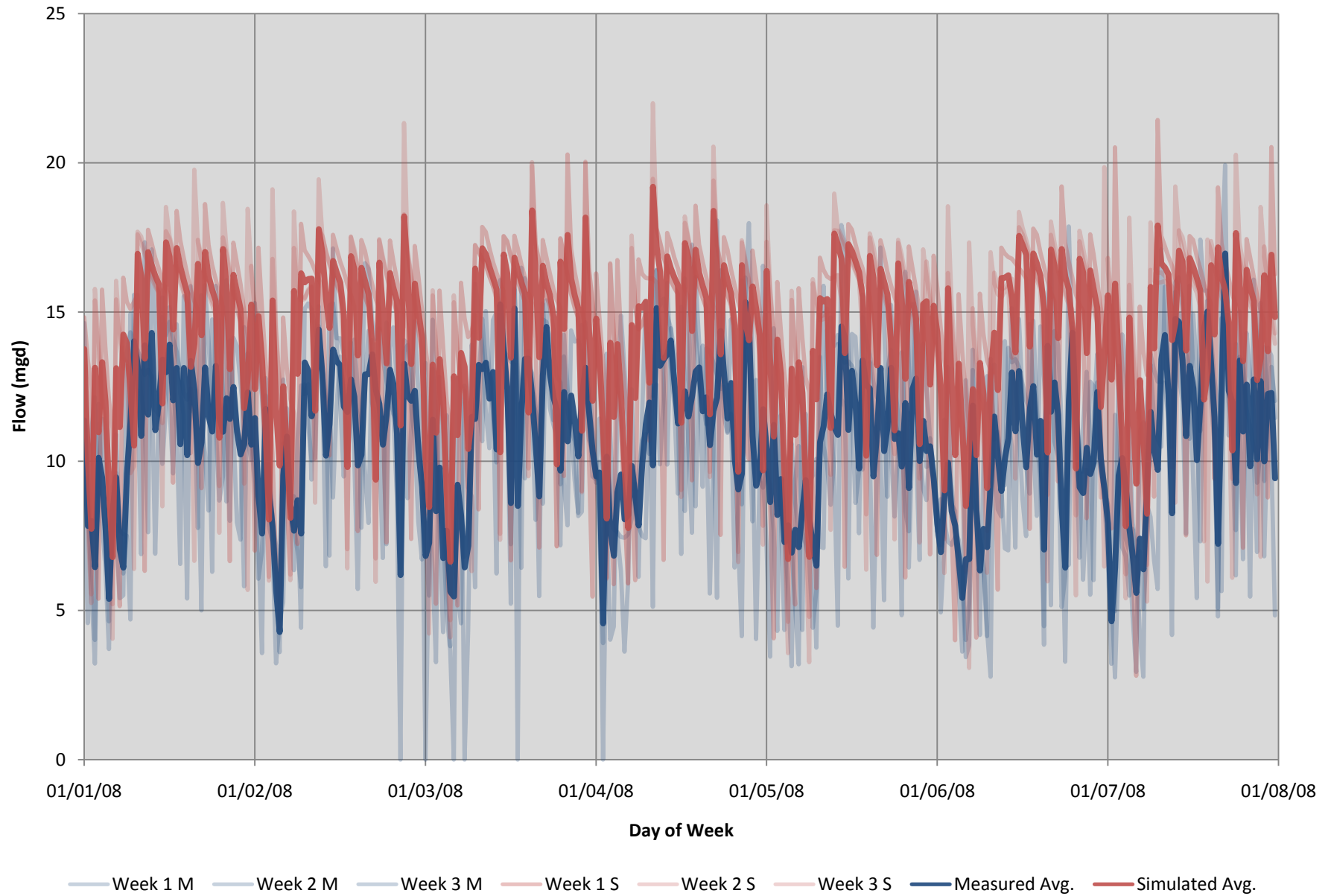


LL22 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	19.14	19.19	19.97	19.44	16.38	16.00	17.72	16.70	16.4%	20%	-10%
Average Flow	14.09	14.18	14.28	14.18	11.19	10.34	10.58	10.70	32.5%	20%	-10%
Total Volume	98.60	99.24	99.98	99.27	78.32	72.37	74.05	74.91	32.5%	20%	-10%

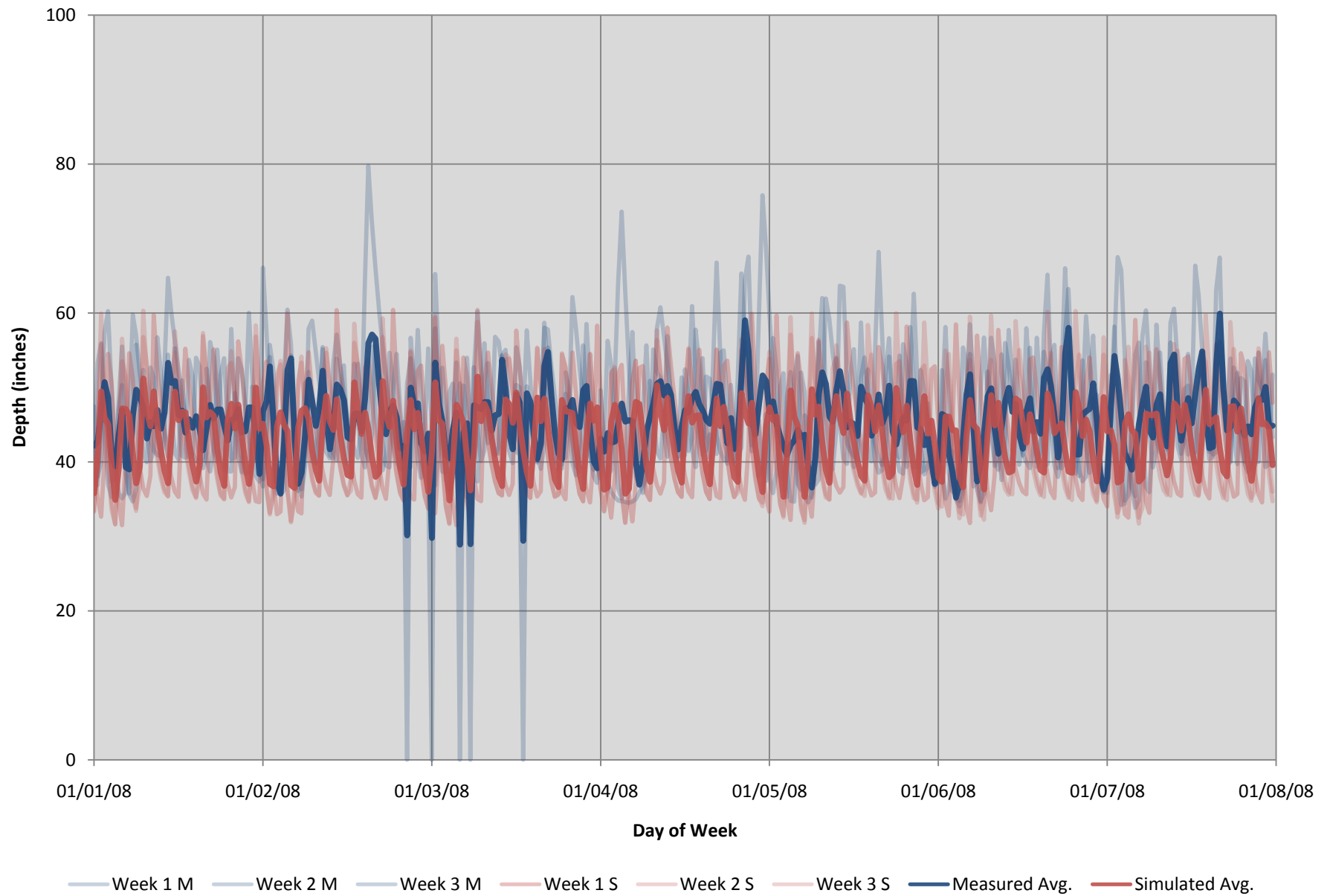
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	19.21	19.86	18.55	19.20	14.62	15.13	17.87	15.87
Monday	21.44	19.21	20.27	20.31	17.43	17.10	19.93	18.15
Tuesday	18.62	19.77	18.66	19.01	15.87	17.10	17.34	16.77
Wednesday	17.96	18.28	21.34	19.19	16.63	14.67	17.13	16.15
Thursday	20.28	20.02	20.04	20.11	16.48	16.34	15.77	16.20
Friday	18.56	19.47	22.00	20.01	17.26	16.40	18.07	17.24
Saturday	17.95	17.73	18.97	18.22	16.35	15.27	17.92	16.51

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

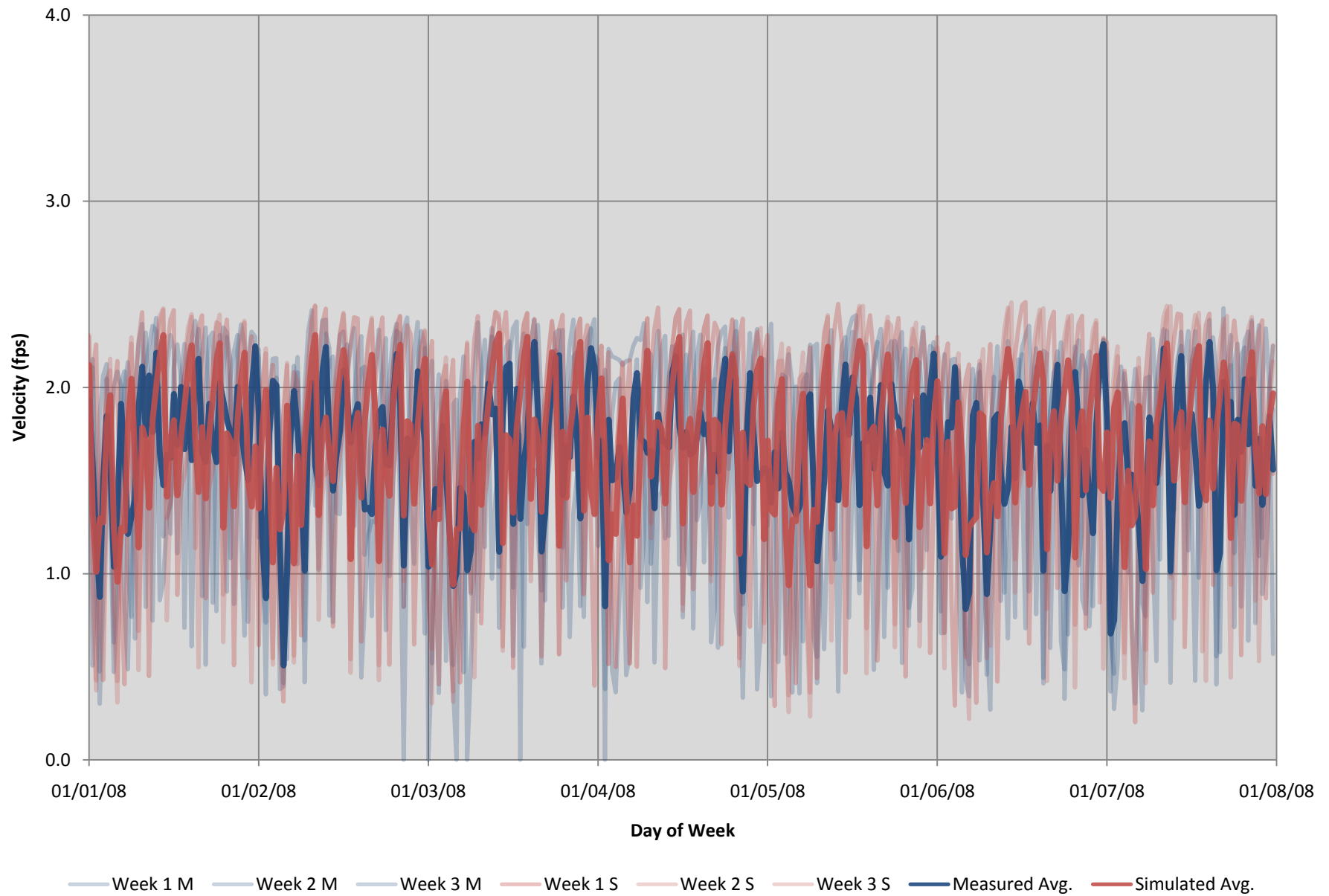
## LL22 DWF Calibration - Flow



## LL22 DWF Calibration - Depth



## LL22 DWF Calibration - Velocity

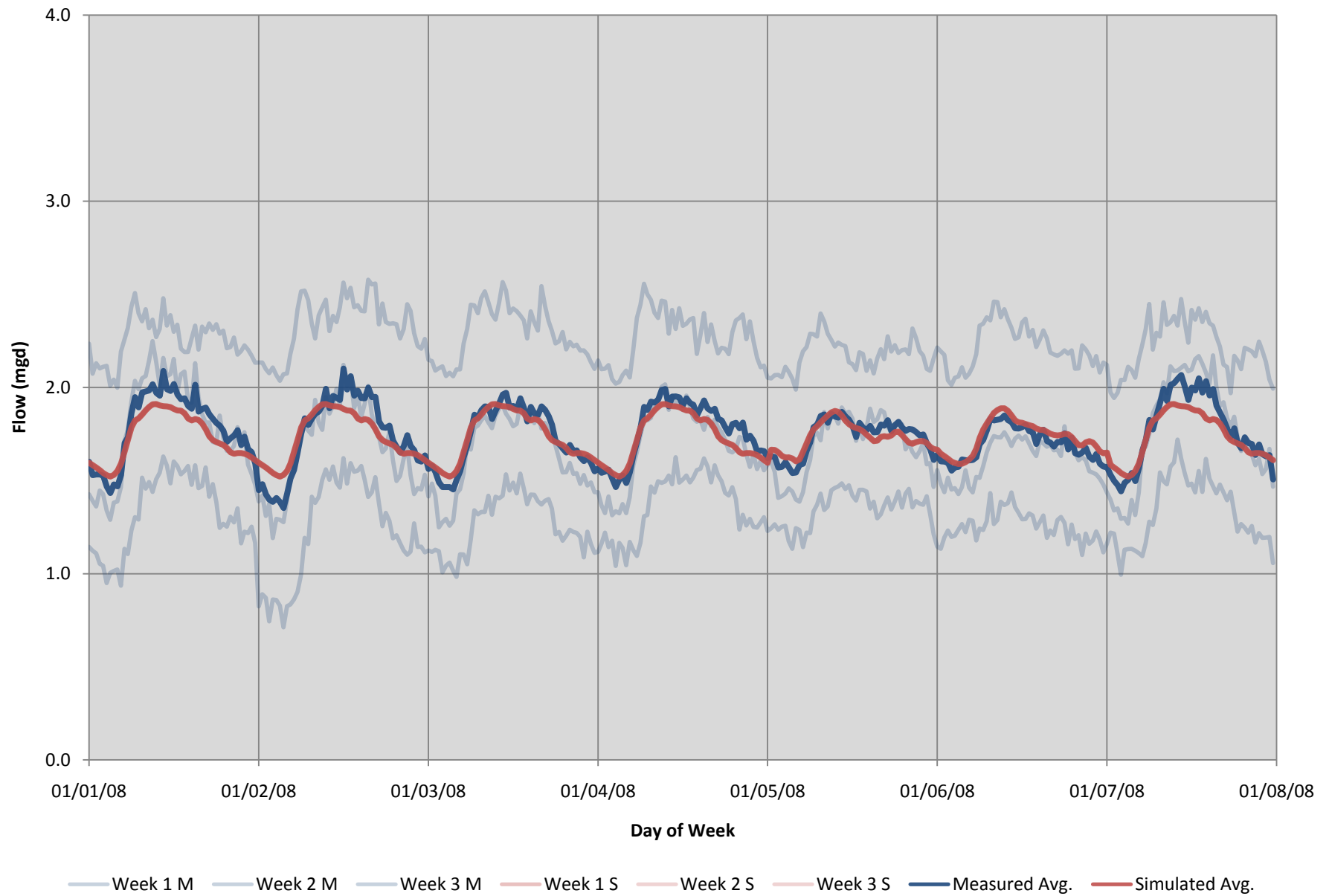


LL23 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.90	1.90	1.90	1.90	2.02	1.58	2.51	2.04	-6.5%	20%	-10%
Average Flow	1.73	1.73	1.73	1.73	1.70	1.30	2.25	1.75	-1.0%	20%	-10%
Total Volume	12.12	12.12	12.12	12.12	11.87	9.10	15.76	12.24	-1.0%	20%	-10%

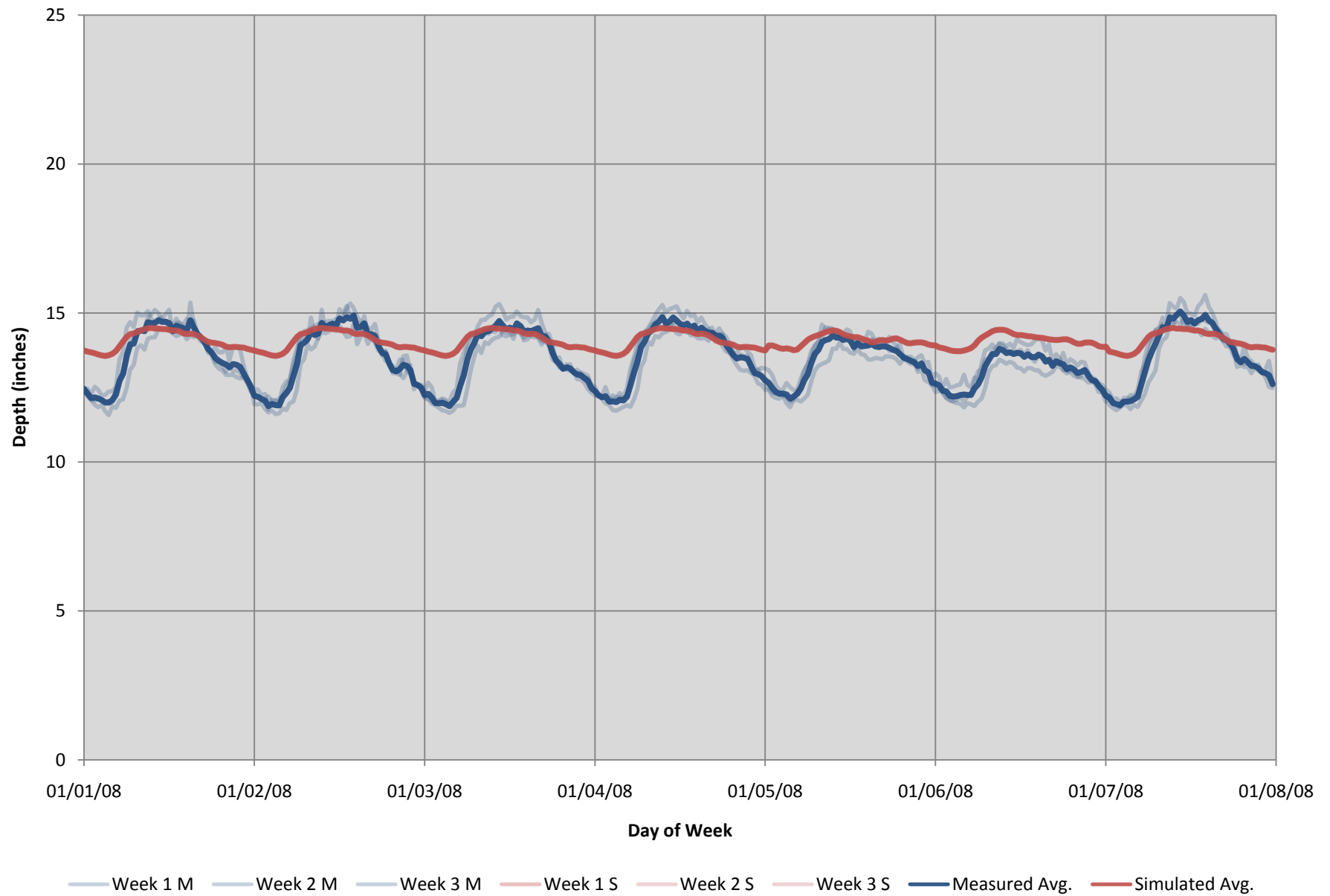
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.89	1.89	1.89	1.89	1.79	1.44	2.46	1.90
Monday	1.91	1.91	1.91	1.91	2.17	1.72	2.47	2.12
Tuesday	1.91	1.91	1.91	1.91	2.25	1.63	2.51	2.13
Wednesday	1.91	1.91	1.91	1.91	2.12	1.62	2.58	2.11
Thursday	1.91	1.91	1.91	1.91	1.91	1.54	2.57	2.00
Friday	1.91	1.91	1.91	1.91	2.02	1.63	2.56	2.07
Saturday	1.87	1.87	1.87	1.87	1.89	1.49	2.40	1.92

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL23 DWF Calibration - Flow

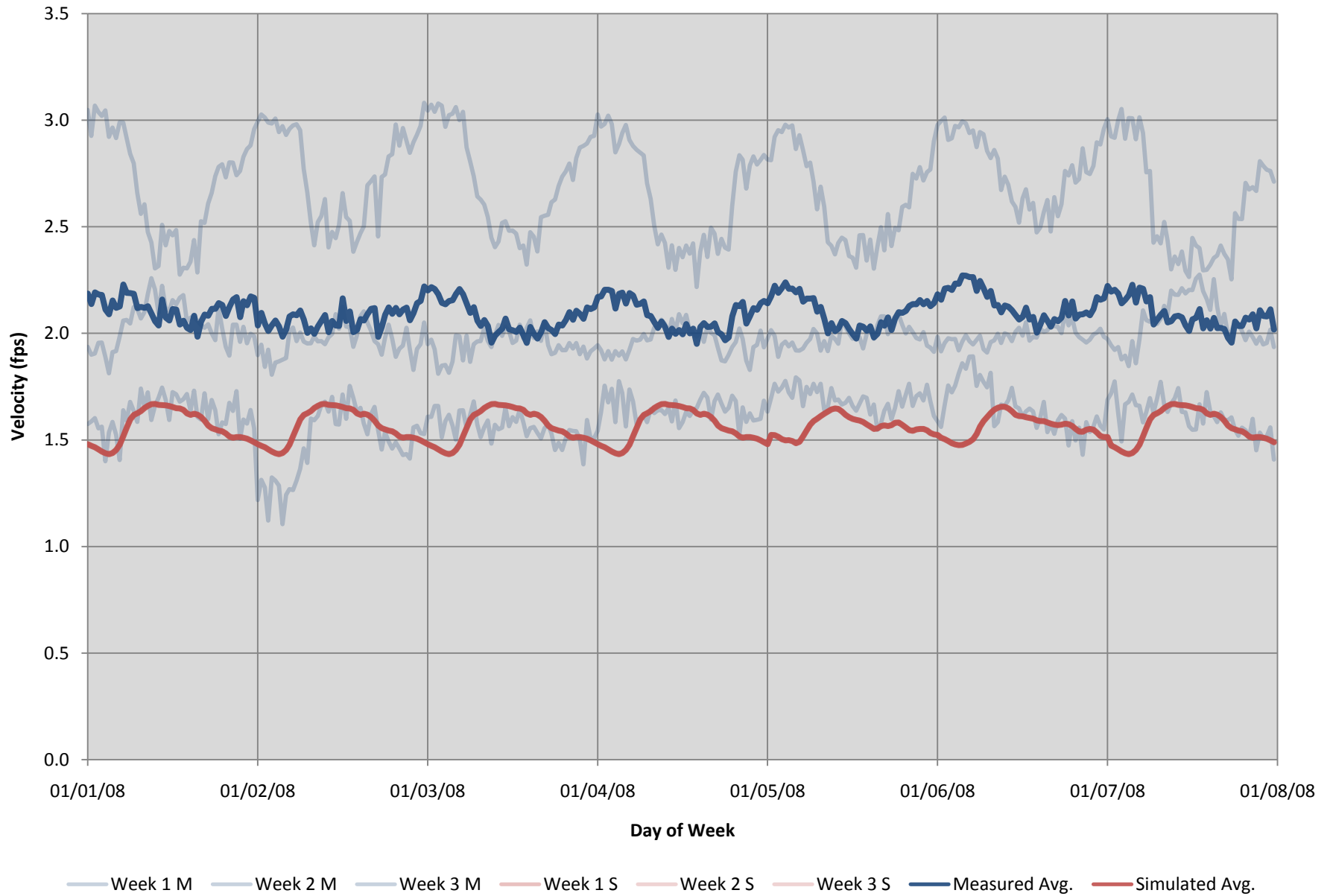


## LL23 DWF Calibration - Depth





## LL23 DWF Calibration - Velocity

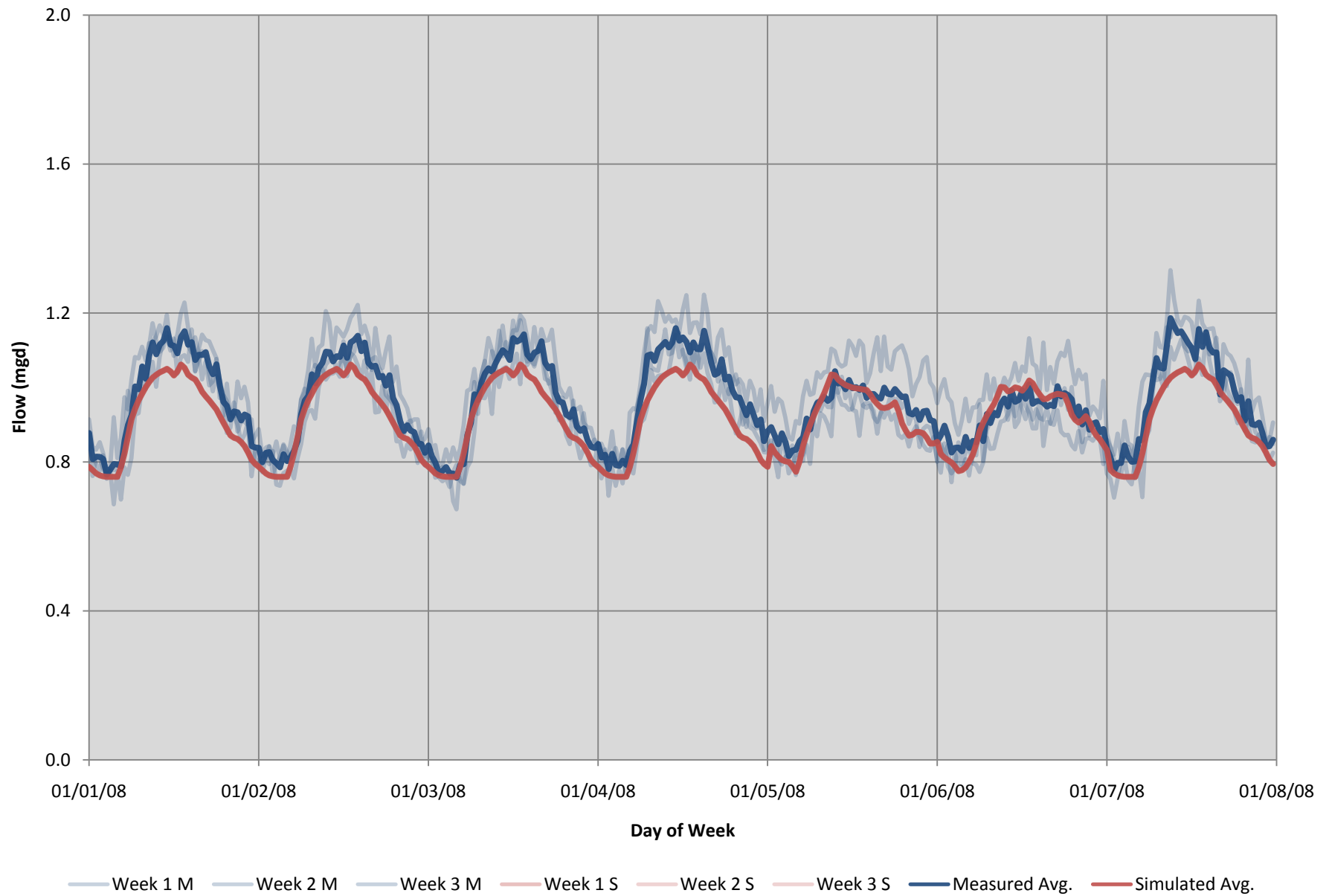


LL24 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.05	1.05	1.05	1.05	1.21	1.11	1.11	1.14	-8.1%	20%	-10%
Average Flow	0.92	0.92	0.92	0.92	1.02	0.93	0.94	0.96	-4.8%	20%	-10%
Total Volume	6.41	6.41	6.41	6.41	7.15	6.50	6.56	6.73	-4.8%	20%	-10%

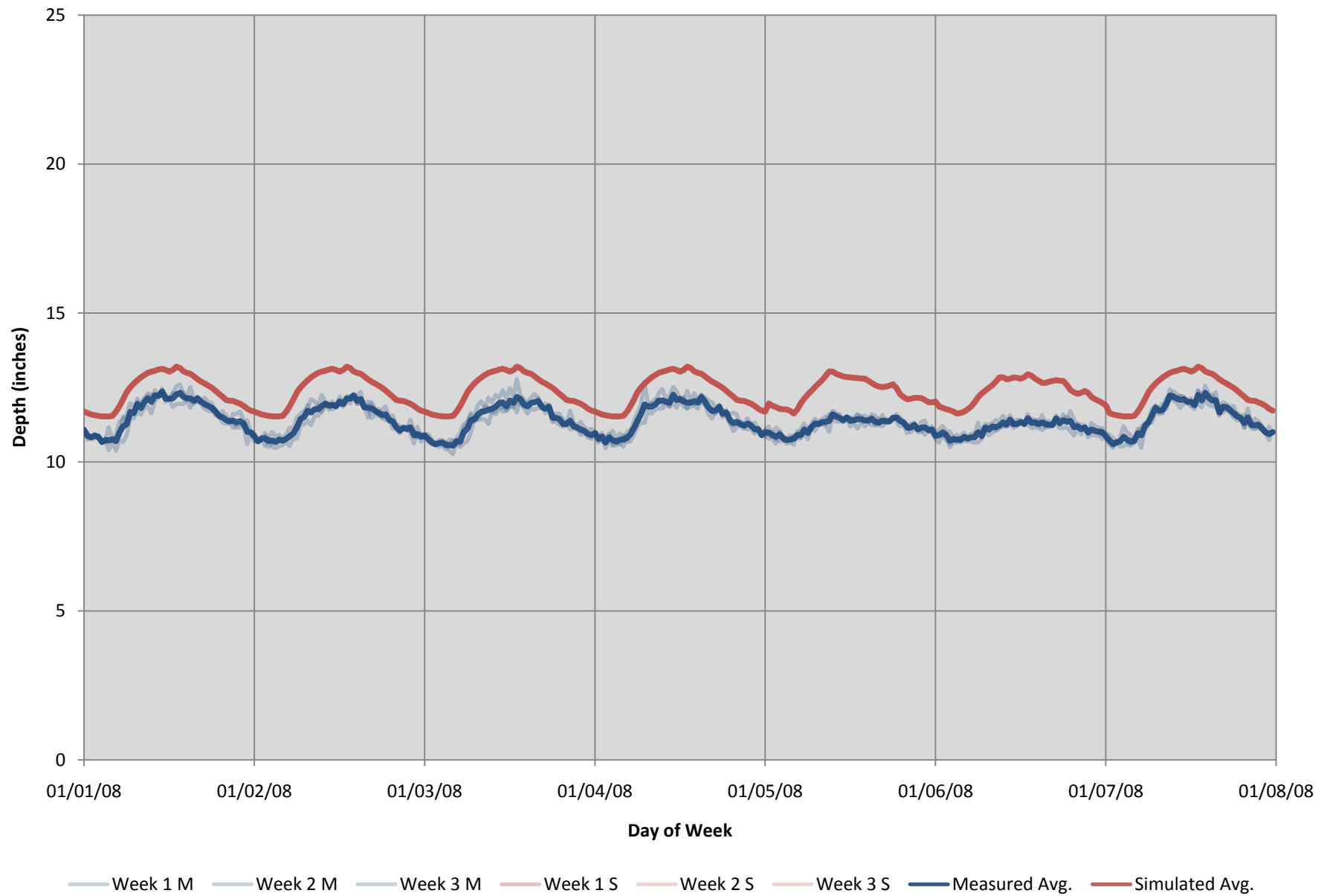
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.02	1.02	1.02	1.02	1.13	1.00	0.97	1.04
Monday	1.06	1.06	1.06	1.06	1.32	1.18	1.16	1.22
Tuesday	1.06	1.06	1.06	1.06	1.23	1.16	1.17	1.19
Wednesday	1.06	1.06	1.06	1.06	1.22	1.14	1.12	1.16
Thursday	1.06	1.06	1.06	1.06	1.19	1.14	1.18	1.17
Friday	1.06	1.06	1.06	1.06	1.25	1.14	1.16	1.18
Saturday	1.04	1.04	1.04	1.04	1.14	1.03	1.01	1.06

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

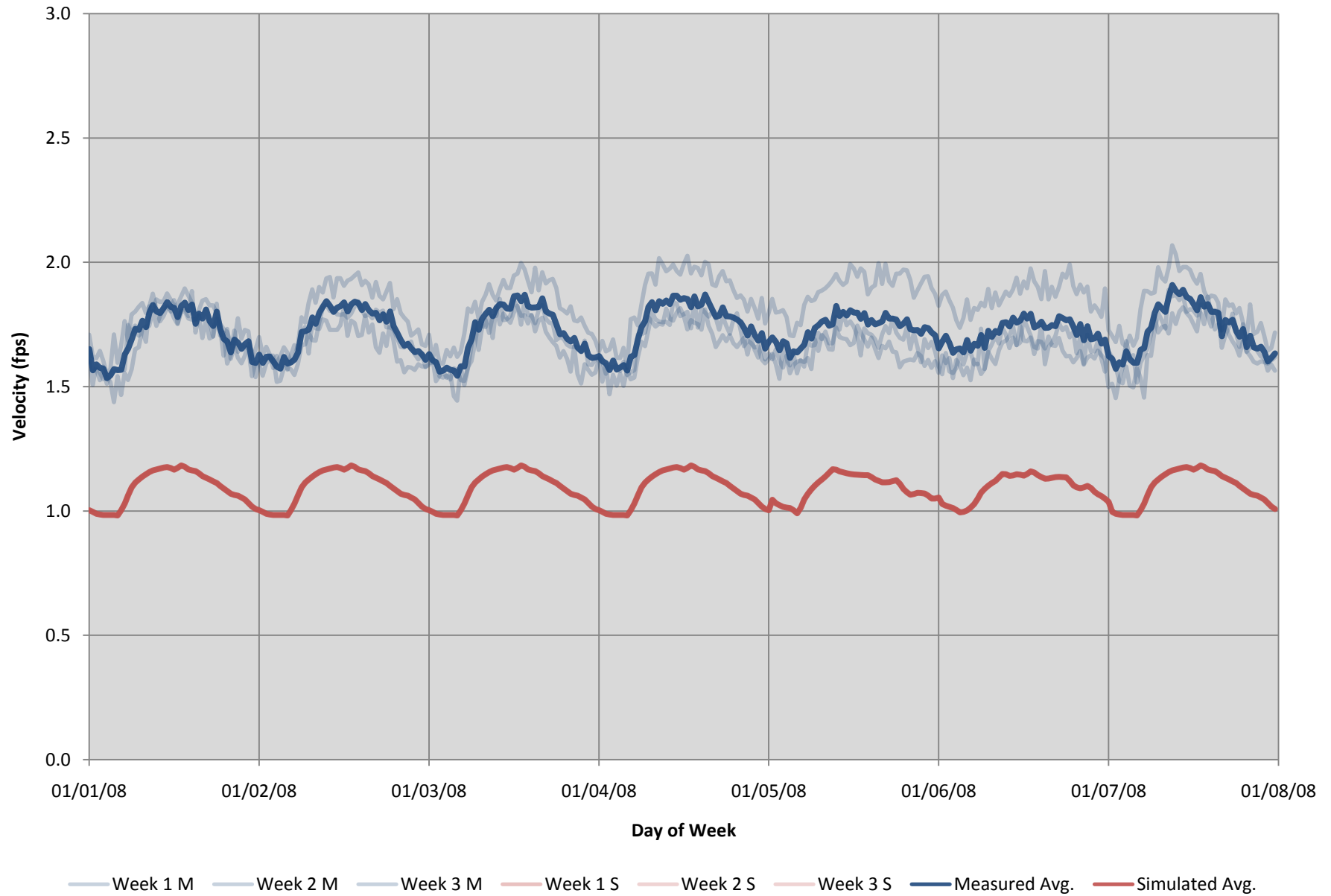
## LL24 DWF Calibration - Flow



## LL24 DWF Calibration - Depth



## LL24 DWF Calibration - Velocity

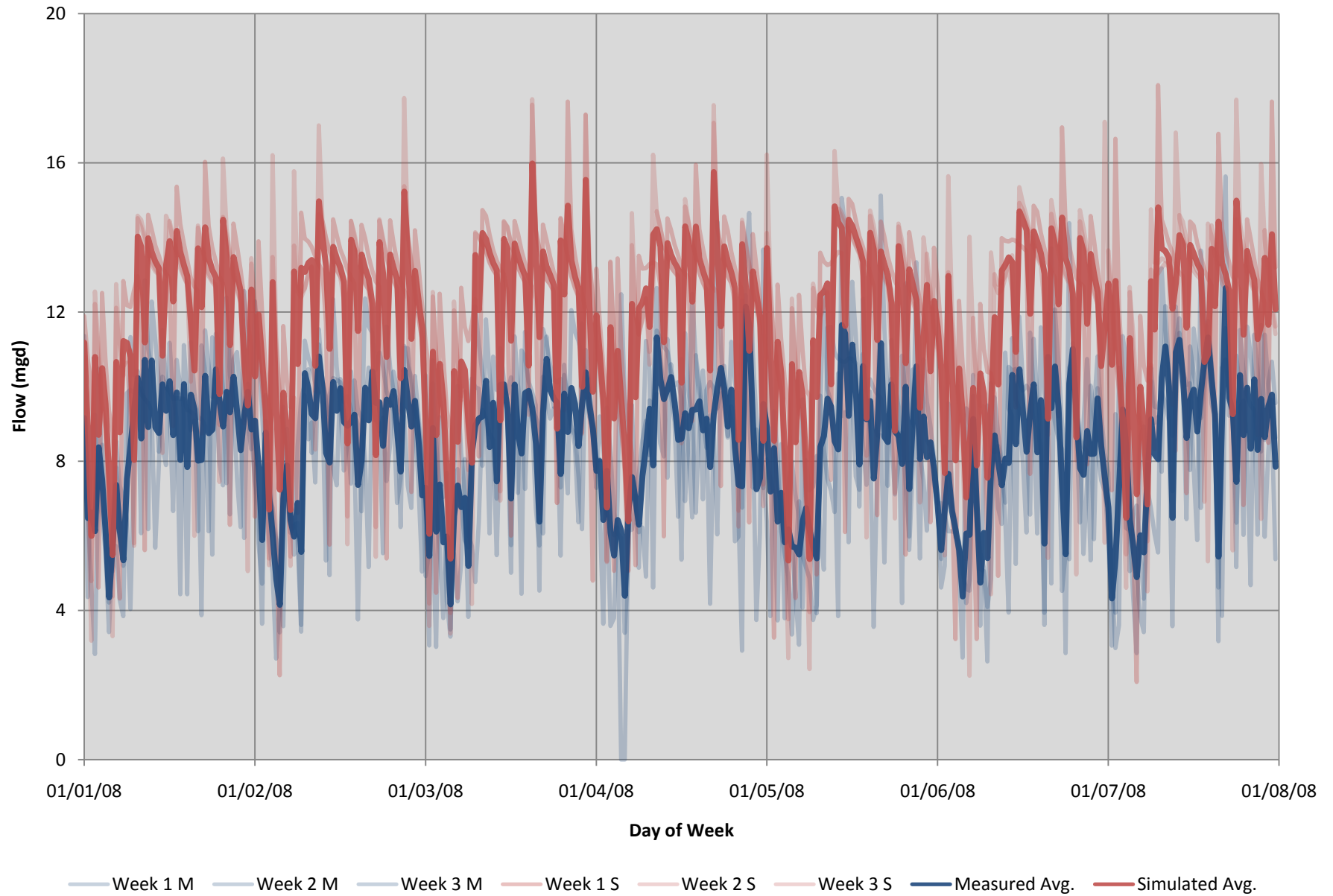


LL25 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	16.34	16.20	16.94	16.49	12.58	12.20	13.82	12.87	28.2%	20%	-10%
Average Flow	11.71	11.74	11.87	11.77	8.68	8.06	8.53	8.42	39.8%	20%	-10%
Total Volume	81.98	82.18	83.07	82.41	60.76	56.39	59.70	58.95	39.8%	20%	-10%

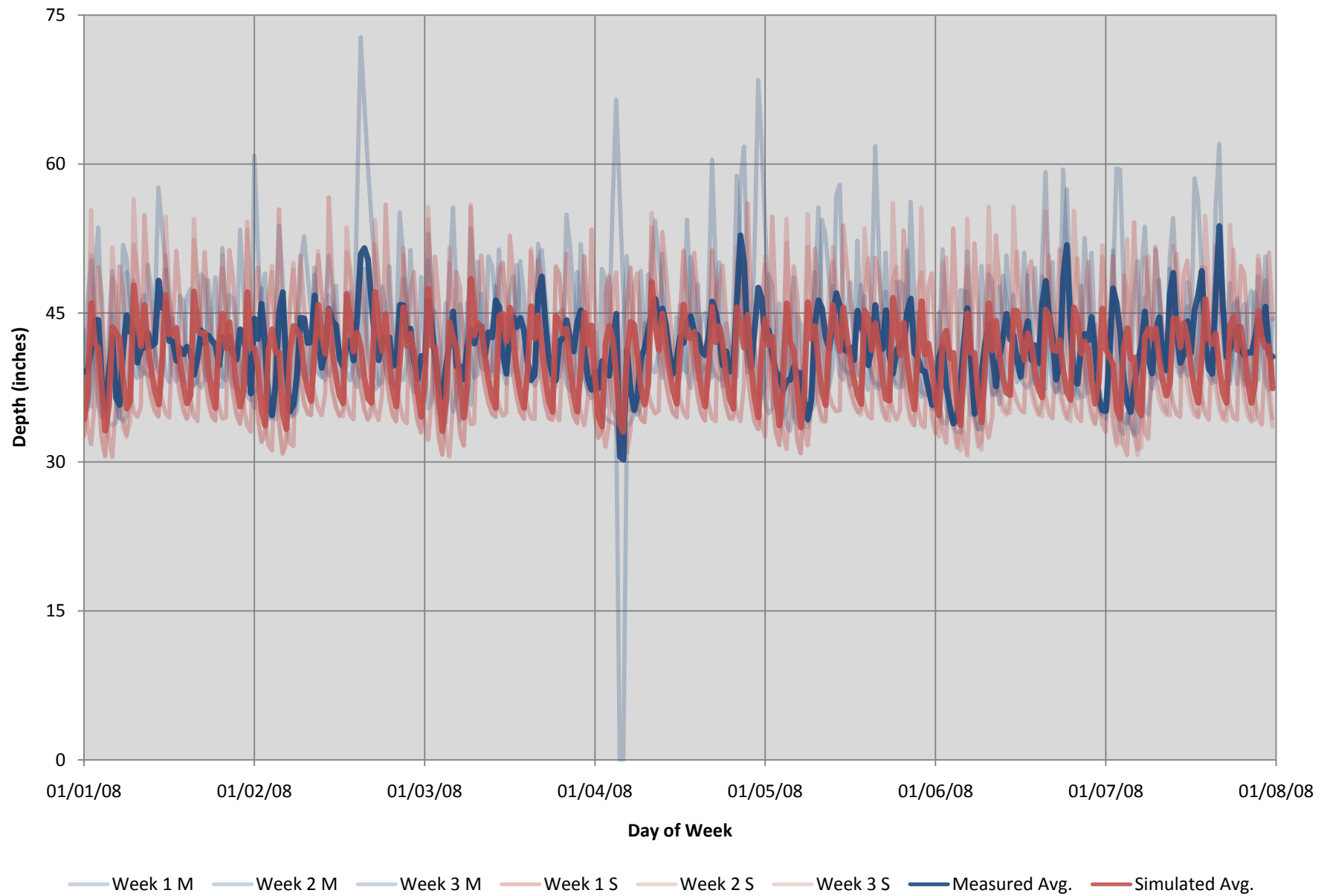
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	16.95	17.09	15.64	16.56	12.07	11.94	14.38	12.80
Monday	18.08	16.81	17.69	17.53	13.65	13.17	15.63	14.15
Tuesday	16.02	14.58	16.11	15.57	11.42	12.56	12.85	12.27
Wednesday	14.66	15.37	17.74	15.92	12.36	11.13	12.34	11.94
Thursday	17.64	17.70	17.56	17.63	12.15	11.47	11.80	11.80
Friday	15.95	17.07	17.54	16.85	13.67	12.31	14.65	13.54
Saturday	15.04	14.76	16.31	15.37	12.77	12.81	15.12	13.57

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL25 DWF Calibration - Flow

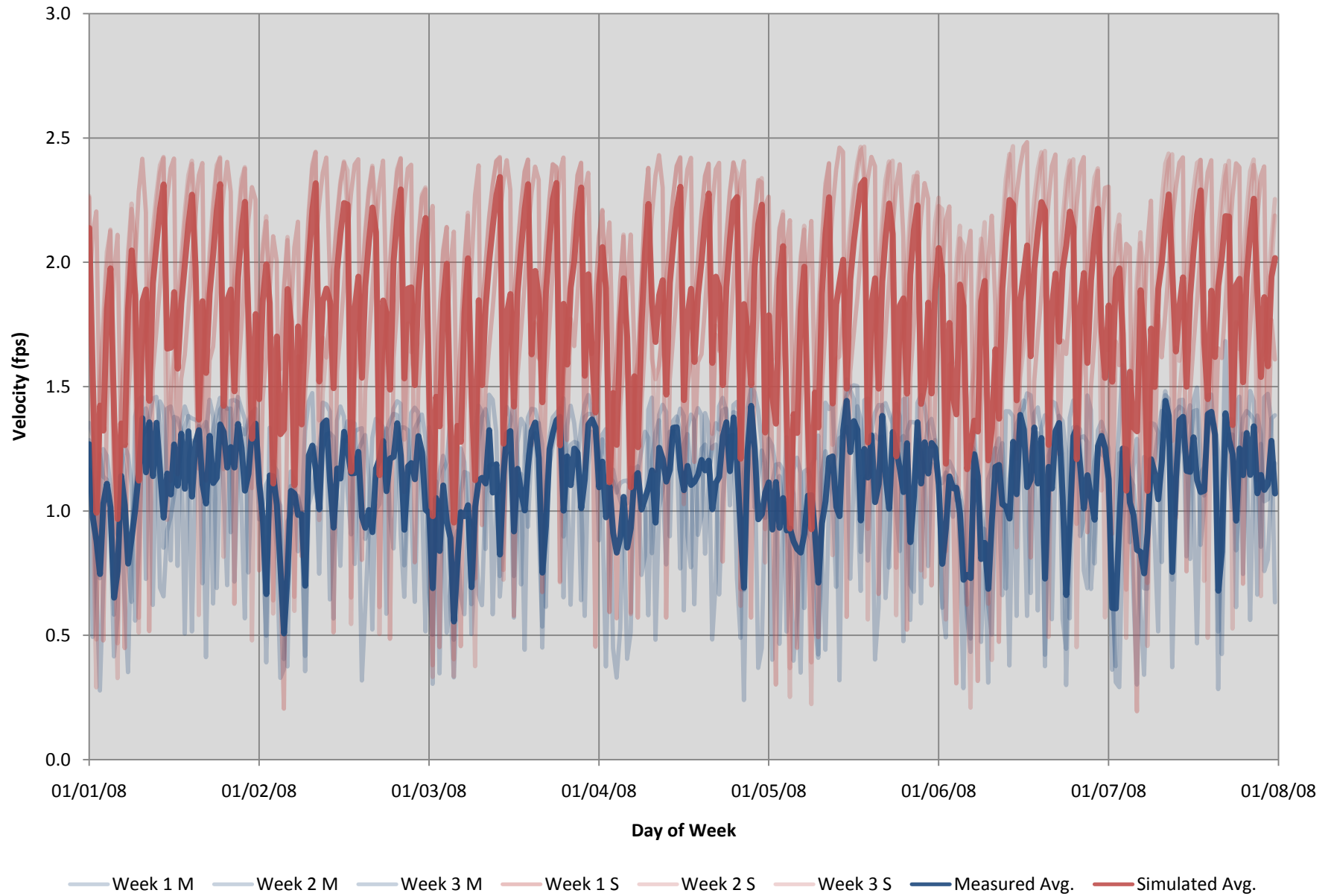


## LL25 DWF Calibration - Depth





## LL25 DWF Calibration - Velocity

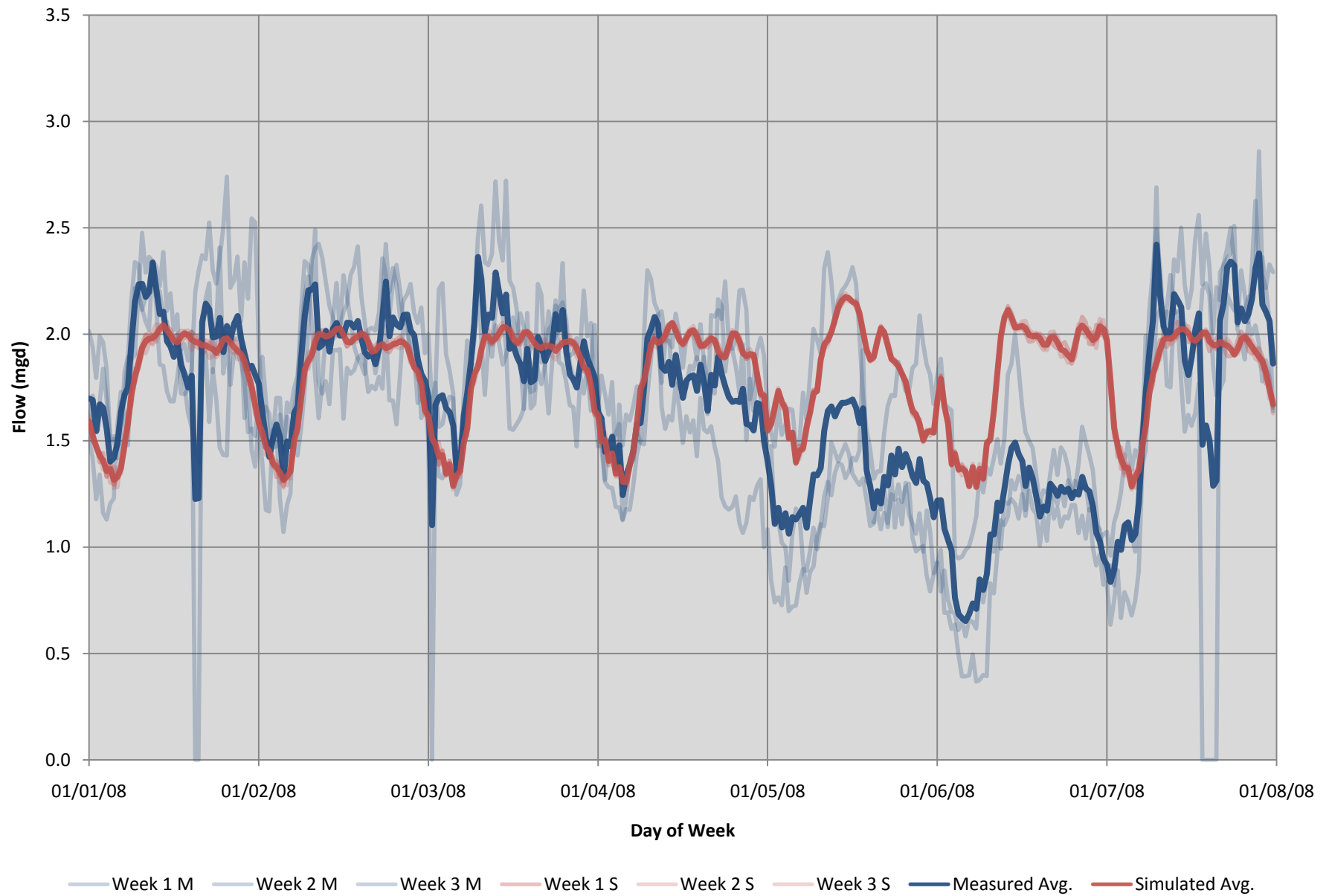


LL26 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	2.08	2.07	2.07	2.07	2.34	2.25	2.22	2.27	-8.6%	20%	-10%
Average Flow	1.81	1.81	1.81	1.81	1.80	1.68	1.50	1.66	9.0%	20%	-10%
Total Volume	12.66	12.65	12.66	12.66	12.60	11.73	10.50	11.61	9.0%	20%	-10%

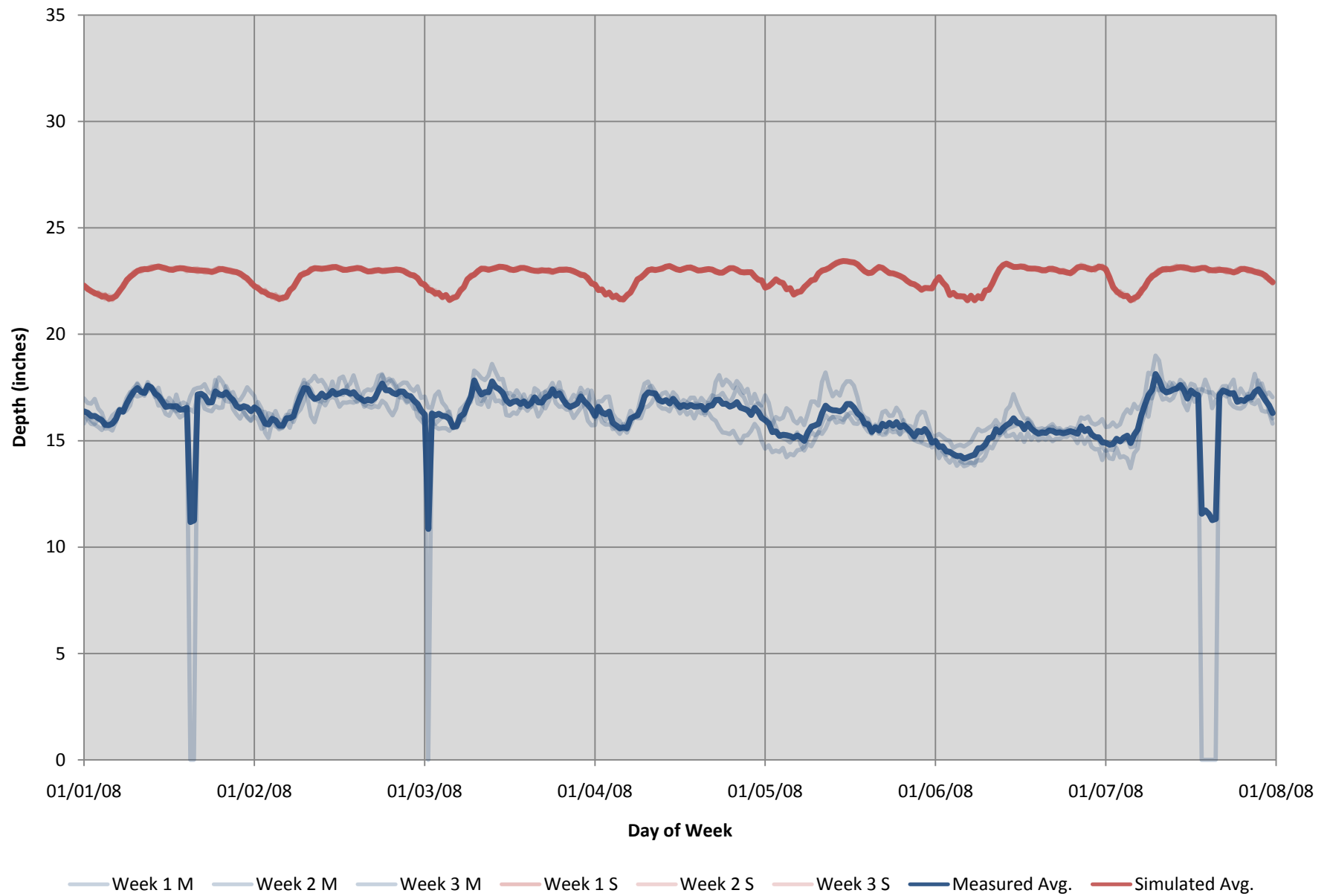
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	2.13	2.12	2.09	2.11	2.00	1.57	1.27	1.61
Monday	2.06	2.04	2.05	2.05	2.69	2.63	2.86	2.73
Tuesday	2.05	2.05	2.05	2.05	2.41	2.74	2.34	2.49
Wednesday	2.04	2.05	2.02	2.04	2.36	2.43	2.49	2.42
Thursday	2.04	2.05	2.03	2.04	2.30	2.72	2.33	2.45
Friday	2.05	2.05	2.06	2.05	2.25	2.16	2.30	2.24
Saturday	2.17	2.16	2.19	2.18	2.39	1.49	1.93	1.93

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

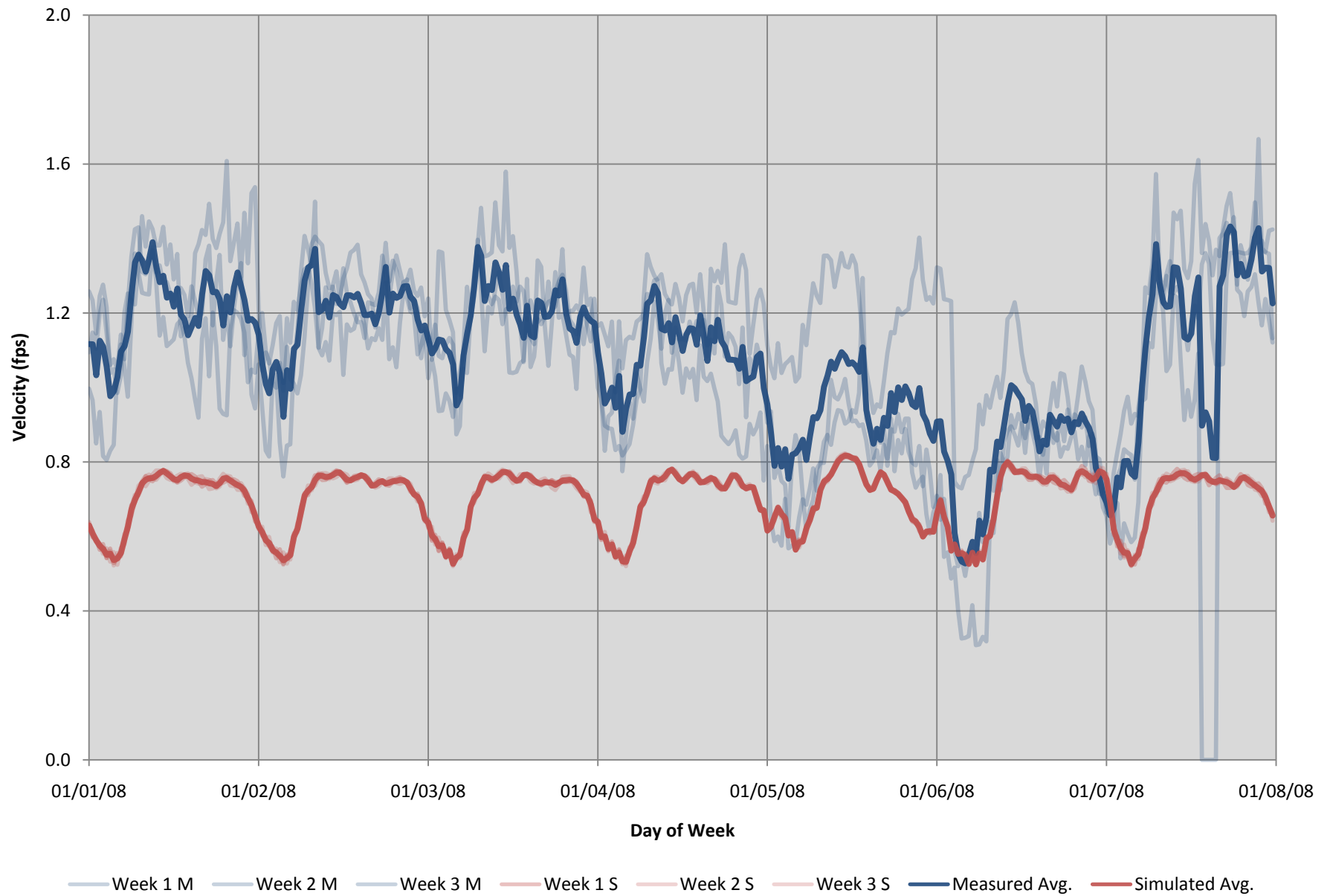
## LL26 DWF Calibration - Flow



## LL26 DWF Calibration - Depth



## LL26 DWF Calibration - Velocity

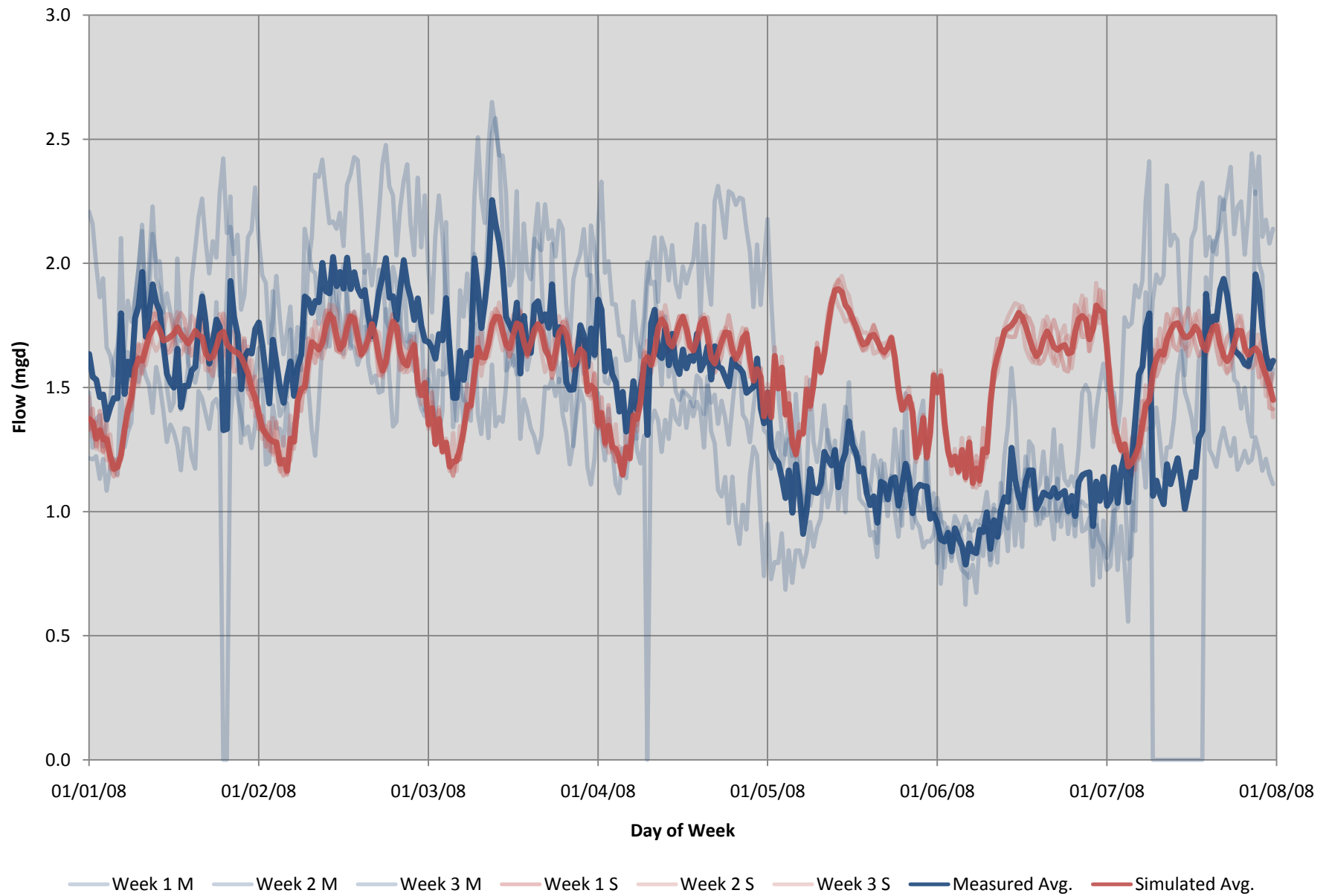


LL27 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.84	1.85	1.84	1.84	1.68	2.30	1.98	1.99	-7.2%	20%	-10%
Average Flow	1.57	1.57	1.56	1.57	1.30	1.67	1.45	1.47	6.3%	20%	-10%
Total Volume	10.96	10.97	10.95	10.96	9.13	11.69	10.12	10.31	6.3%	20%	-10%

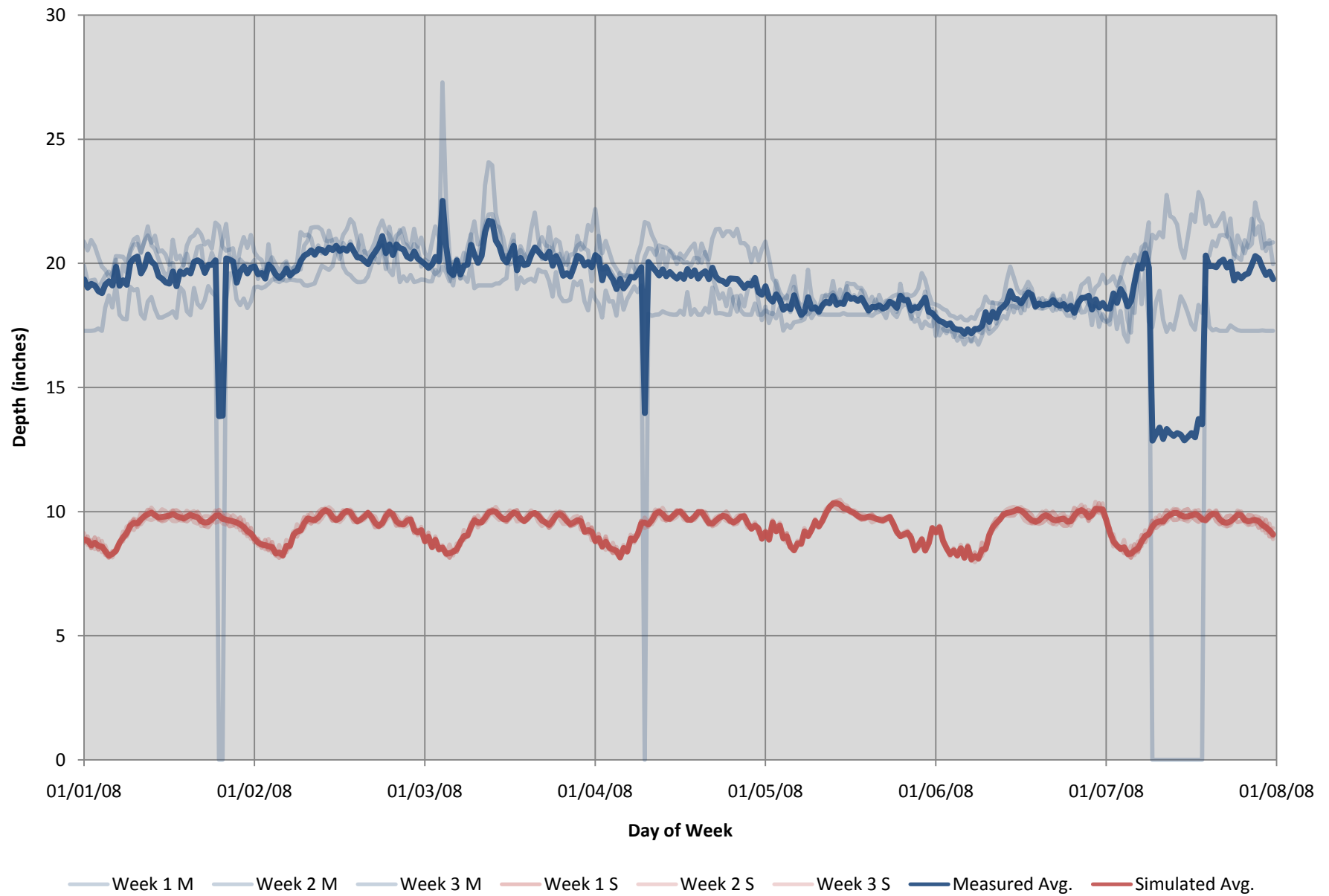
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.89	1.92	1.89	1.90	1.58	1.60	1.22	1.47
Monday	1.82	1.82	1.82	1.82	1.66	2.44	2.33	2.14
Tuesday	1.80	1.80	1.83	1.81	1.63	2.42	2.27	2.11
Wednesday	1.81	1.83	1.83	1.83	1.99	2.48	2.14	2.20
Thursday	1.82	1.80	1.84	1.82	1.76	2.65	2.59	2.33
Friday	1.80	1.81	1.83	1.81	1.60	2.33	2.00	1.98
Saturday	1.93	1.95	1.87	1.92	1.53	2.18	1.32	1.68

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL27 DWF Calibration - Flow

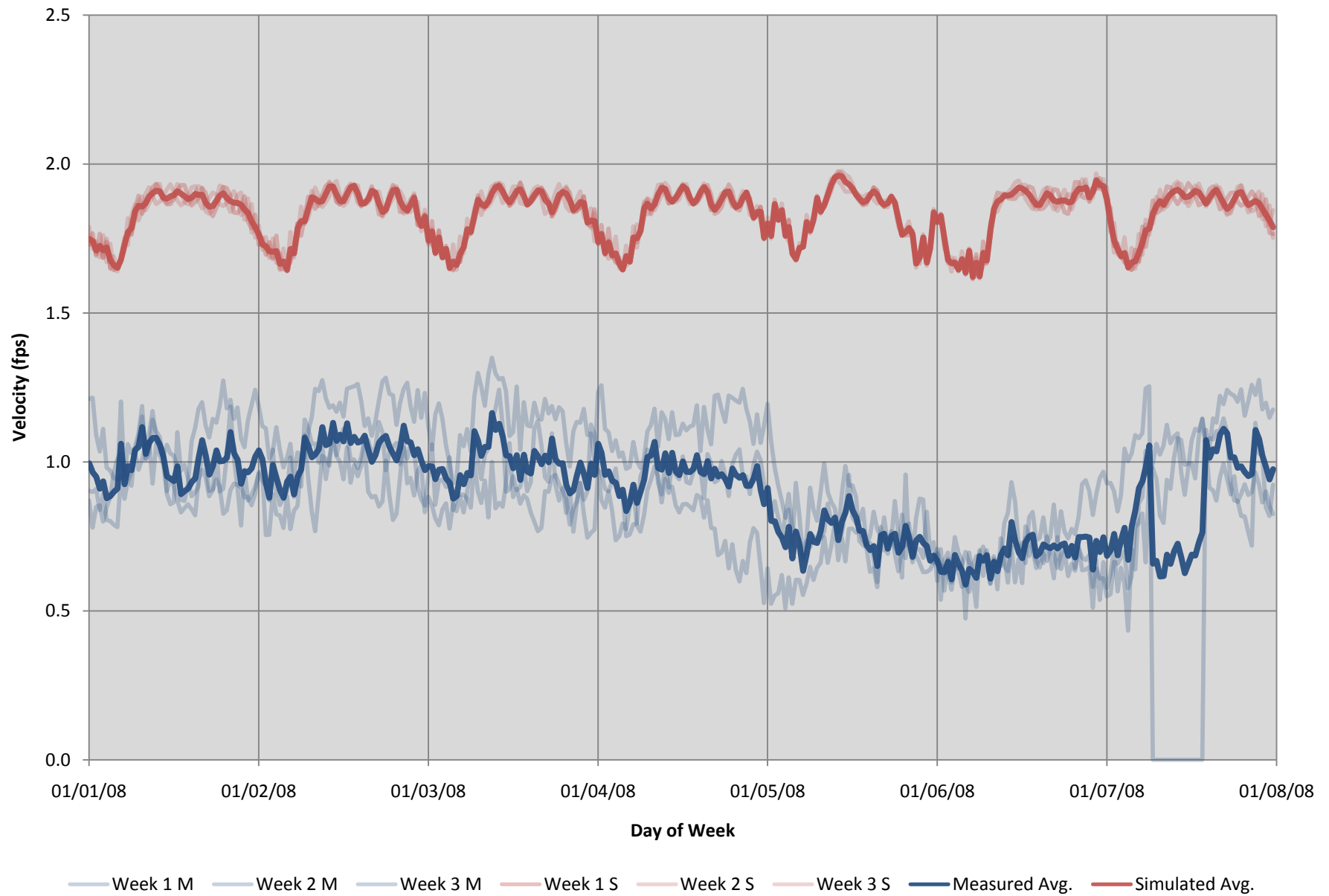


## LL27 DWF Calibration - Depth





## LL27 DWF Calibration - Velocity

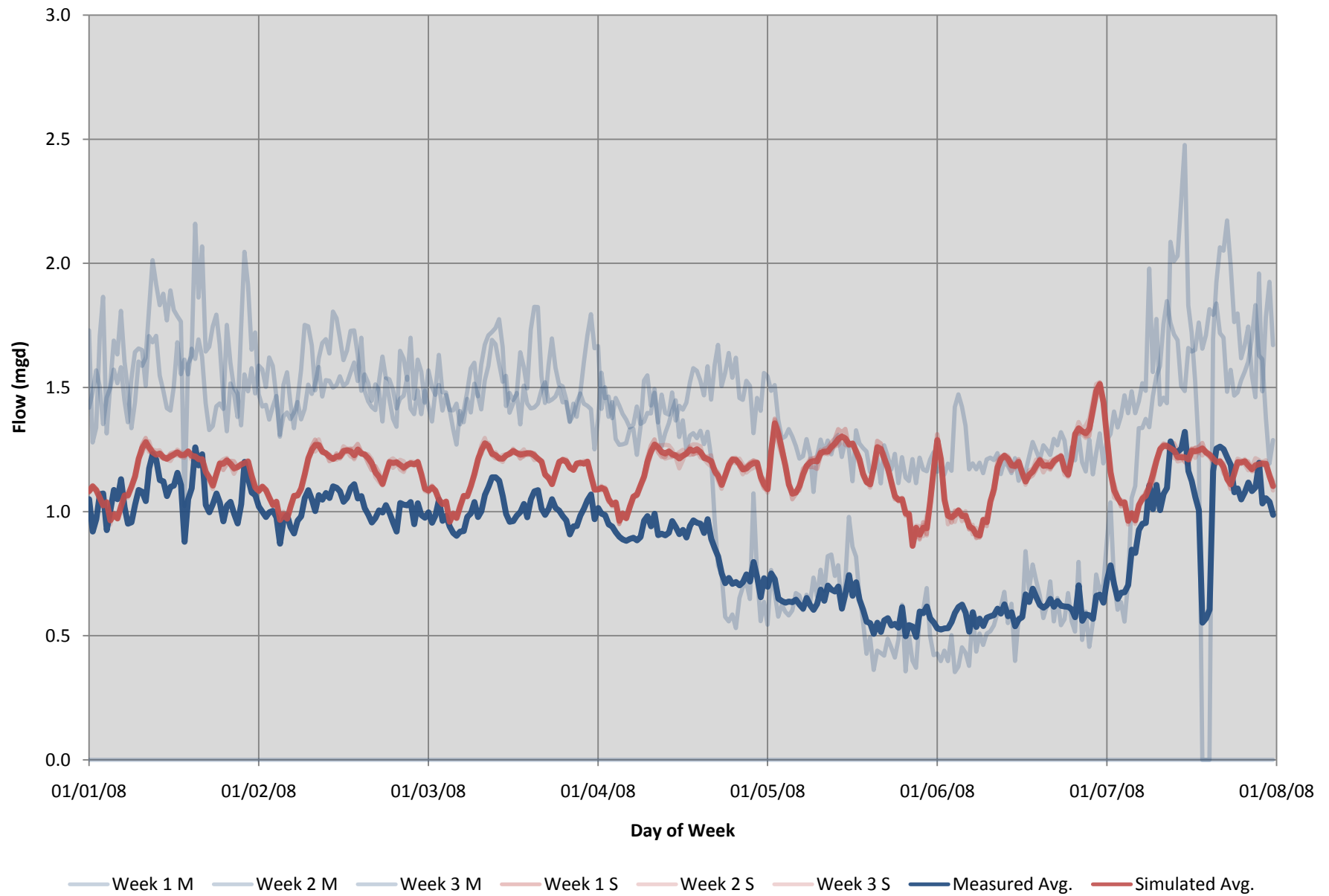


LL28 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.33	1.32	1.33	1.33	0.00	1.82	1.53	1.67	-20.7%	20%	-10%
Average Flow	1.16	1.16	1.16	1.16	0.00	1.45	1.20	1.32	-12.4%	20%	-10%
Total Volume	8.12	8.11	8.12	8.12	0.00	10.12	8.41	9.26	-12.4%	20%	-10%

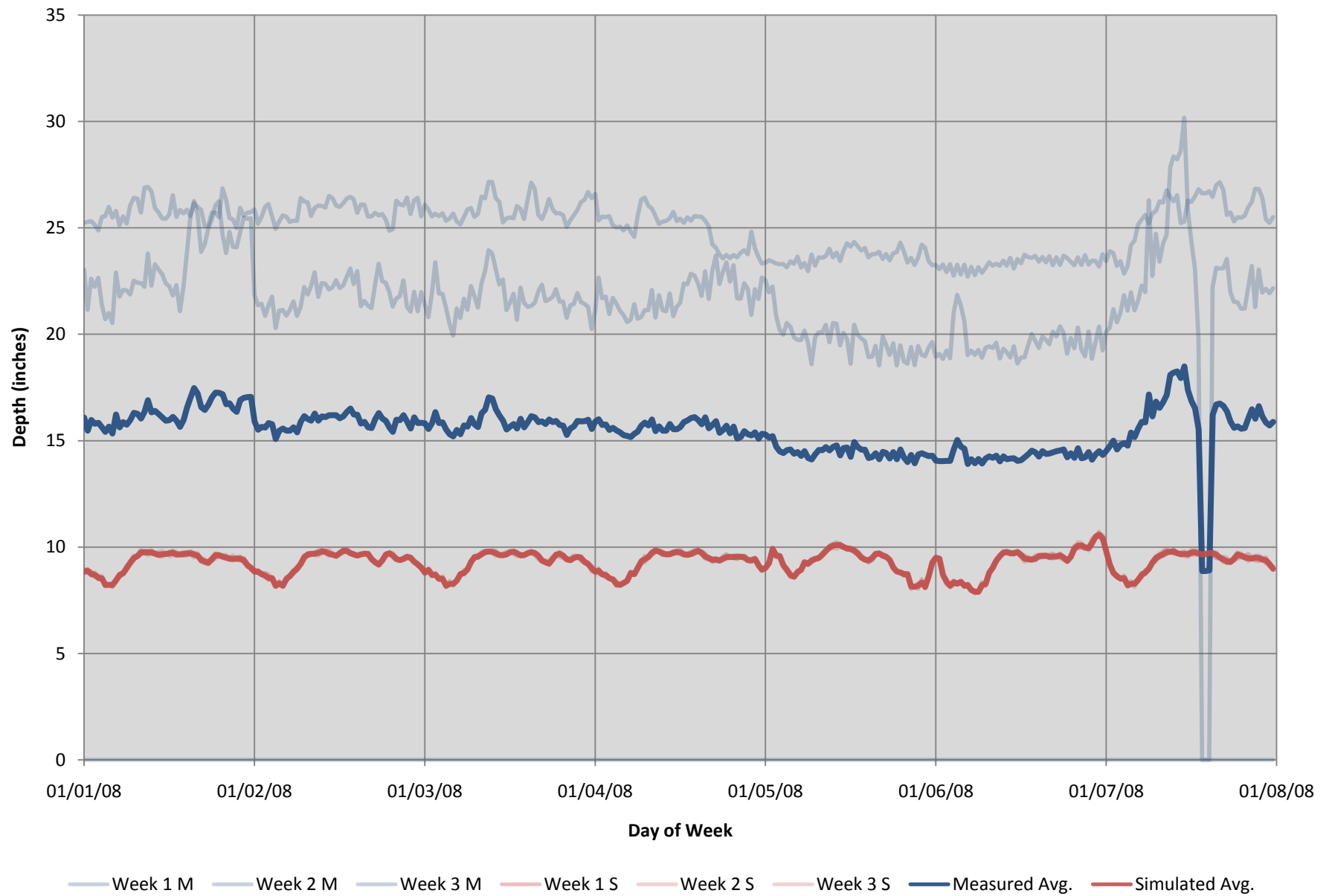
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.52	1.50	1.52	1.51	0.00	1.47	0.84	0.77
Monday	1.30	1.29	1.30	1.30	0.00	2.48	1.85	1.44
Tuesday	1.30	1.28	1.28	1.28	0.00	2.16	1.75	1.30
Wednesday	1.29	1.29	1.26	1.28	0.00	1.70	1.81	1.17
Thursday	1.26	1.30	1.28	1.28	0.00	1.69	1.83	1.17
Friday	1.29	1.27	1.27	1.28	0.00	1.67	1.67	1.11
Saturday	1.37	1.33	1.37	1.36	0.00	1.55	0.98	0.84

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

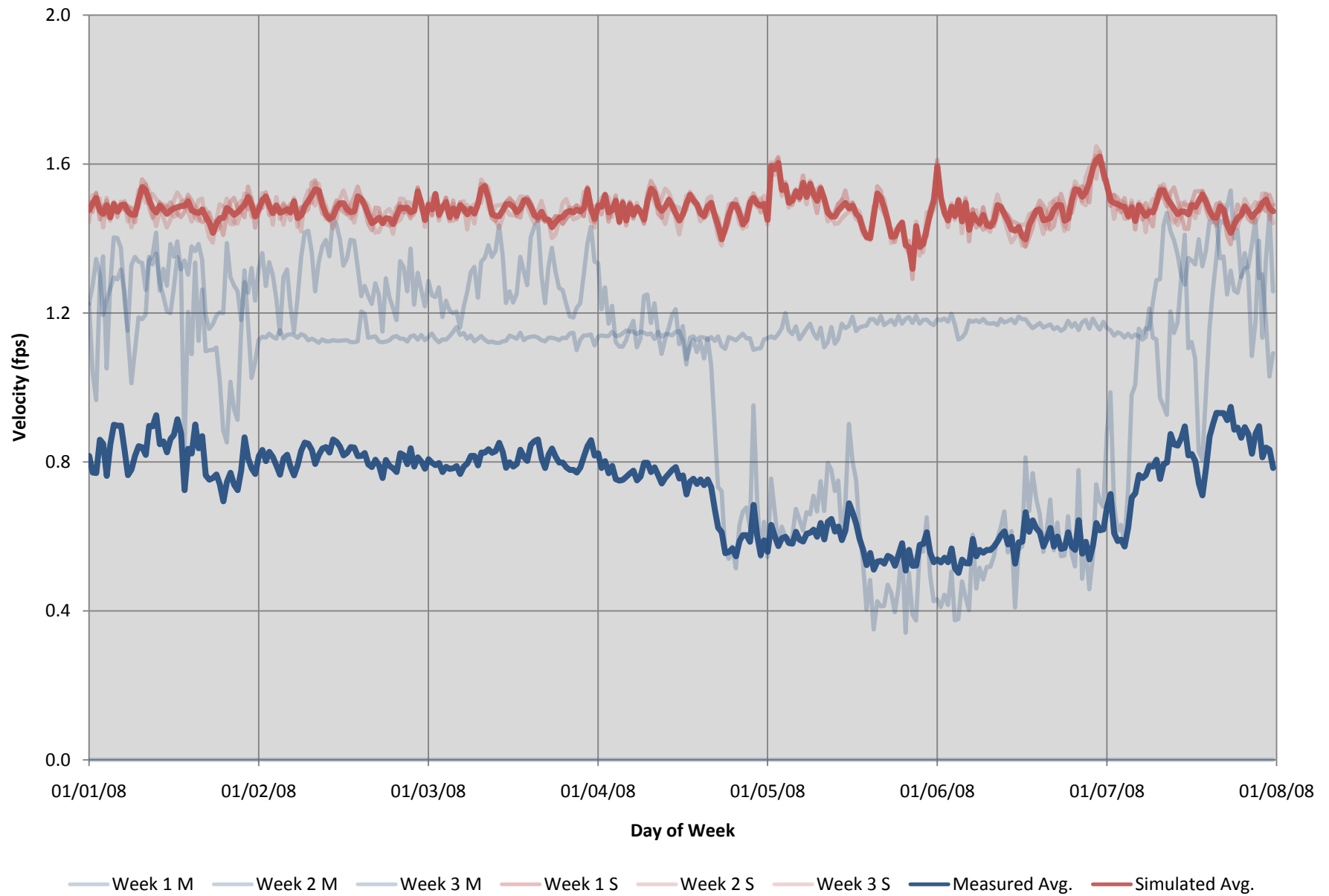
## LL28 DWF Calibration - Flow



## LL28 DWF Calibration - Depth



## LL28 DWF Calibration - Velocity

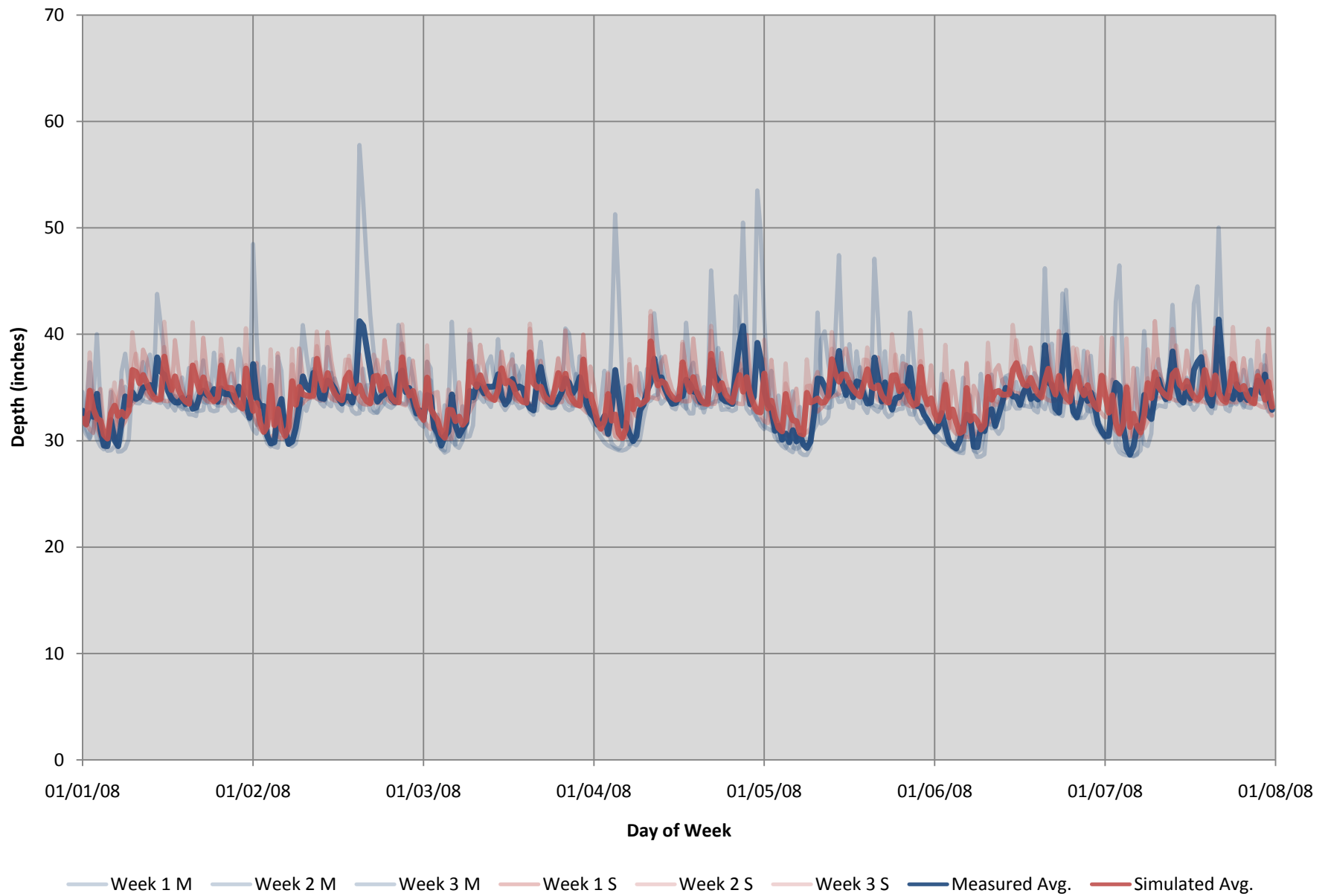


LL29 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	10.85	10.88	10.89	10.87	8.54	9.64	10.12	9.43	15.3%	20%	-10%
Average Flow	9.30	9.28	9.30	9.29	6.50	7.32	7.41	7.08	31.3%	20%	-10%
Total Volume	65.08	64.95	65.09	65.04	45.51	51.21	51.89	49.54	31.3%	20%	-10%

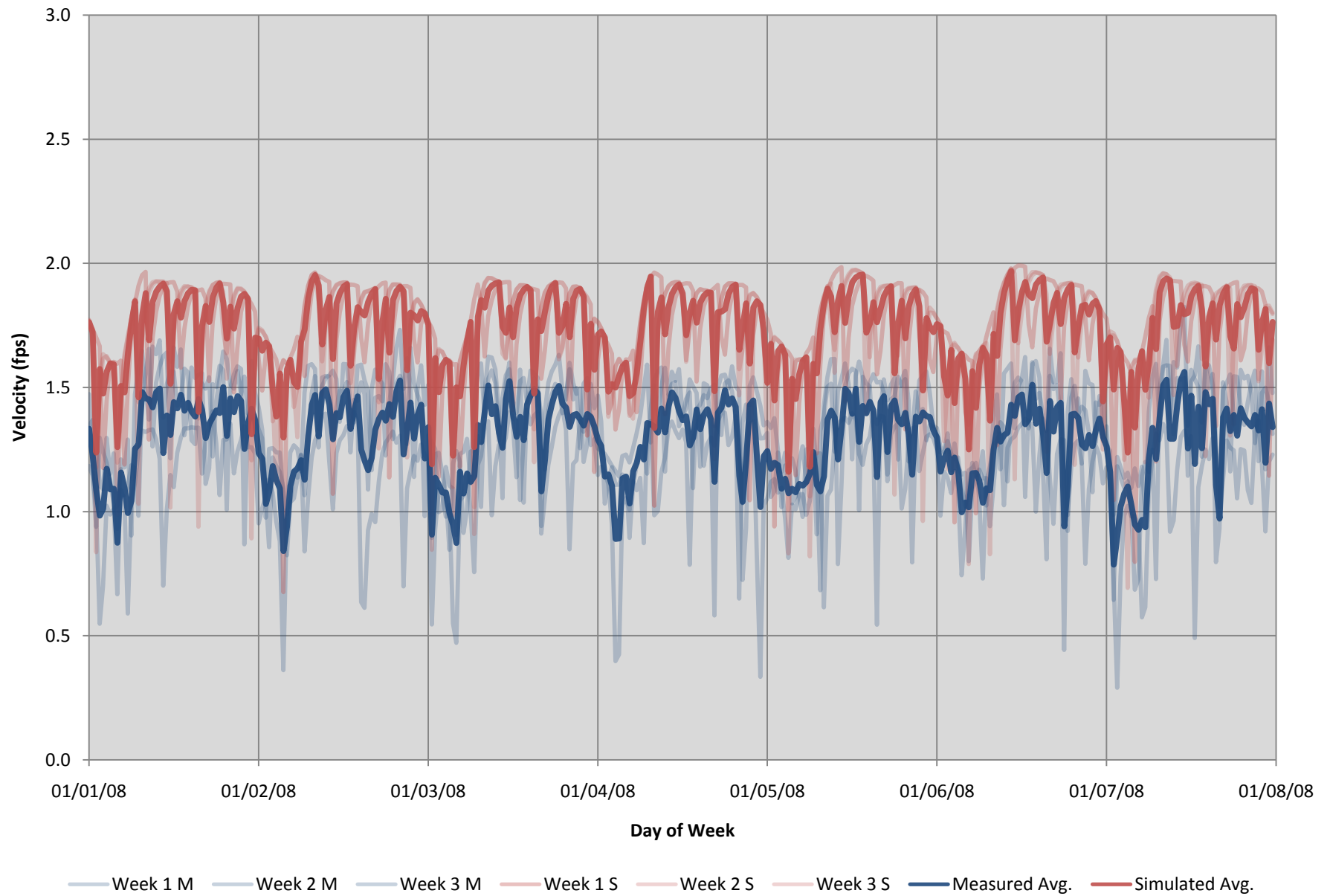
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	11.01	11.25	11.37	11.21	7.70	9.39	10.40	9.16
Monday	10.86	10.67	10.61	10.71	9.09	10.04	10.64	9.92
Tuesday	10.76	10.87	10.90	10.85	7.74	10.13	9.59	9.16
Wednesday	10.62	10.67	10.68	10.66	9.18	9.40	9.60	9.39
Thursday	10.90	10.65	10.64	10.73	8.57	9.47	9.18	9.07
Friday	10.61	10.93	10.94	10.83	9.59	9.85	10.79	10.08
Saturday	11.22	11.10	11.12	11.15	7.93	9.20	10.63	9.25

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL29 DWF Calibration - Depth

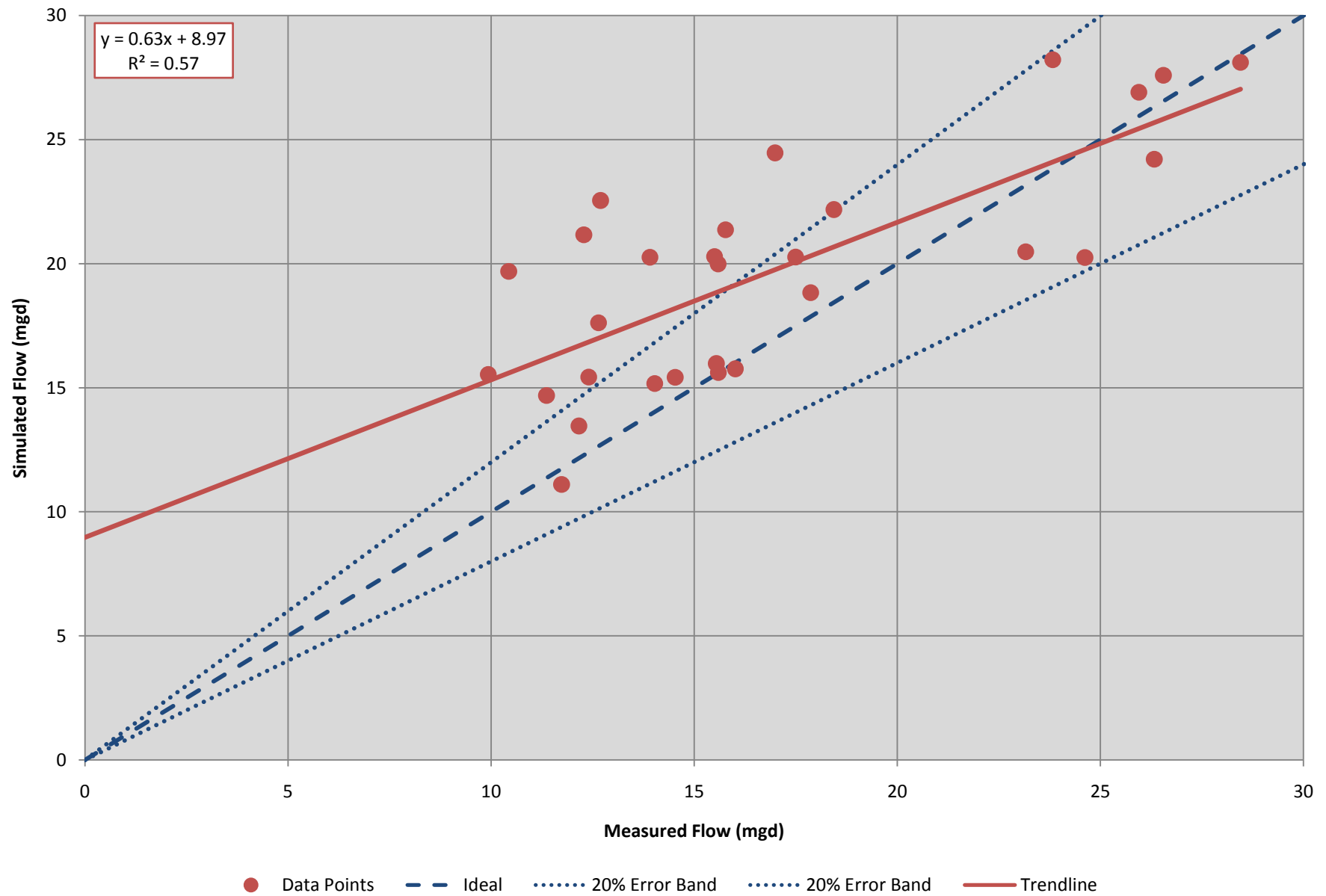


## LL29 DWF Calibration - Velocity





## LL29 - WWF Calibration (Peak vs. Peak)

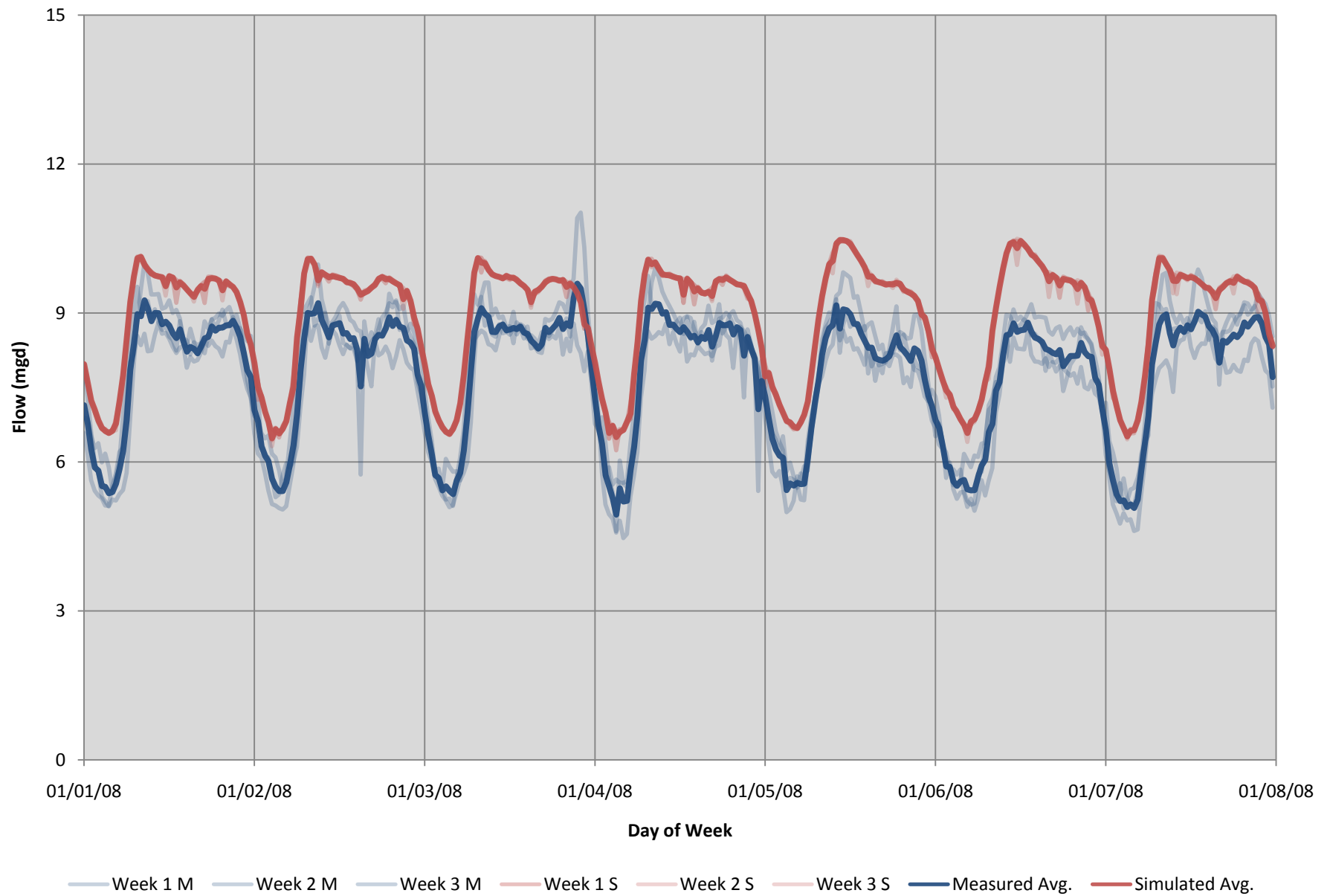


LL29A DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	10.20	10.21	10.21	10.21	8.78	9.96	9.47	9.40	8.6%	20%	-10%
Average Flow	8.90	8.90	8.89	8.90	7.49	7.93	7.91	7.78	14.4%	20%	-10%
Total Volume	62.30	62.27	62.26	62.28	52.43	55.53	55.37	54.44	14.4%	20%	-10%

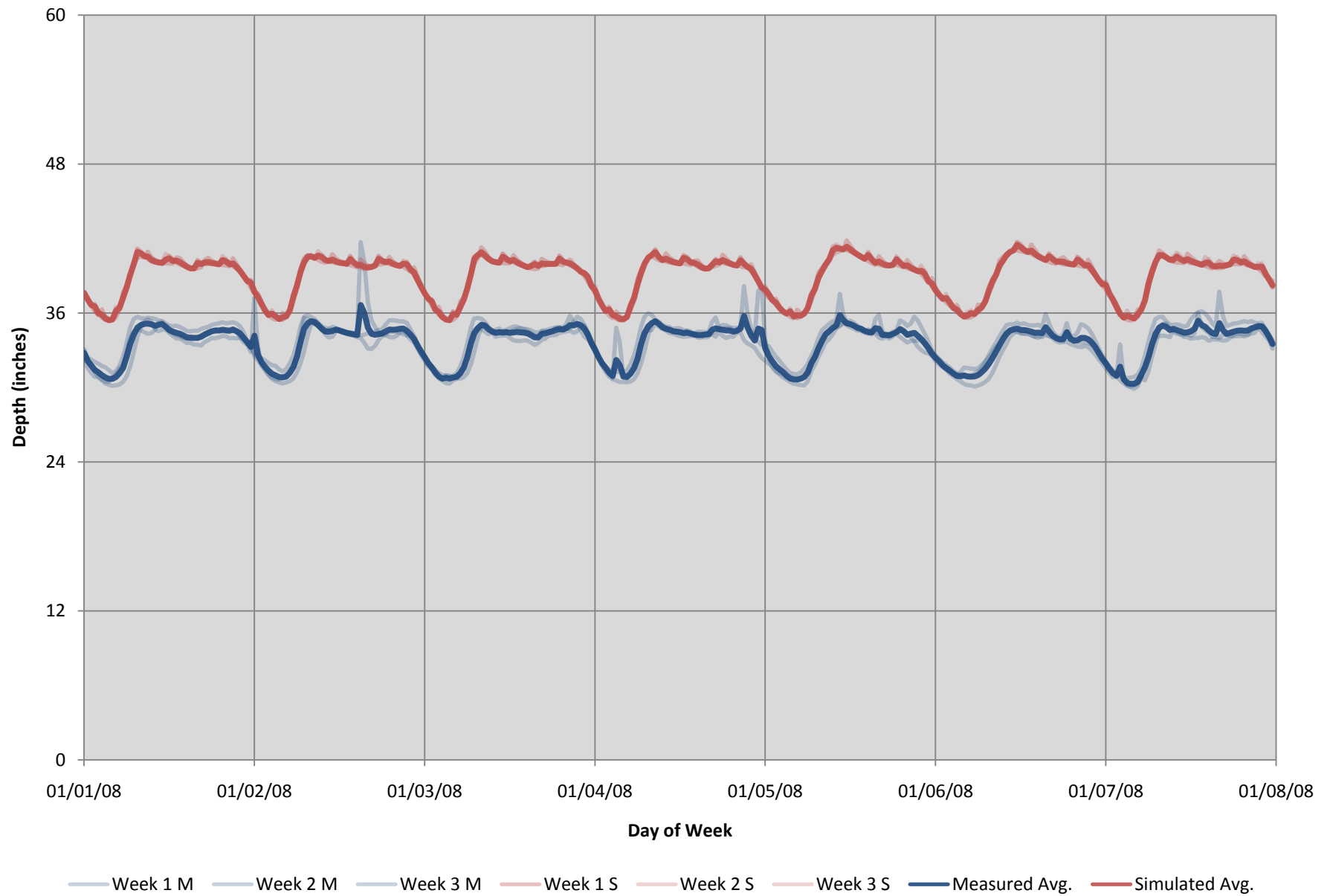
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	10.46	10.49	10.47	10.48	8.62	9.18	8.96	8.92
Monday	10.15	10.09	10.09	10.11	8.75	9.81	9.87	9.48
Tuesday	10.08	10.14	10.16	10.13	8.80	10.02	9.53	9.45
Wednesday	10.11	10.08	10.08	10.09	8.83	9.98	9.39	9.40
Thursday	10.07	10.12	10.12	10.10	8.79	11.02	9.52	9.78
Friday	10.09	10.07	10.07	10.07	8.78	9.89	9.75	9.47
Saturday	10.45	10.48	10.49	10.47	8.85	9.82	9.28	9.32

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

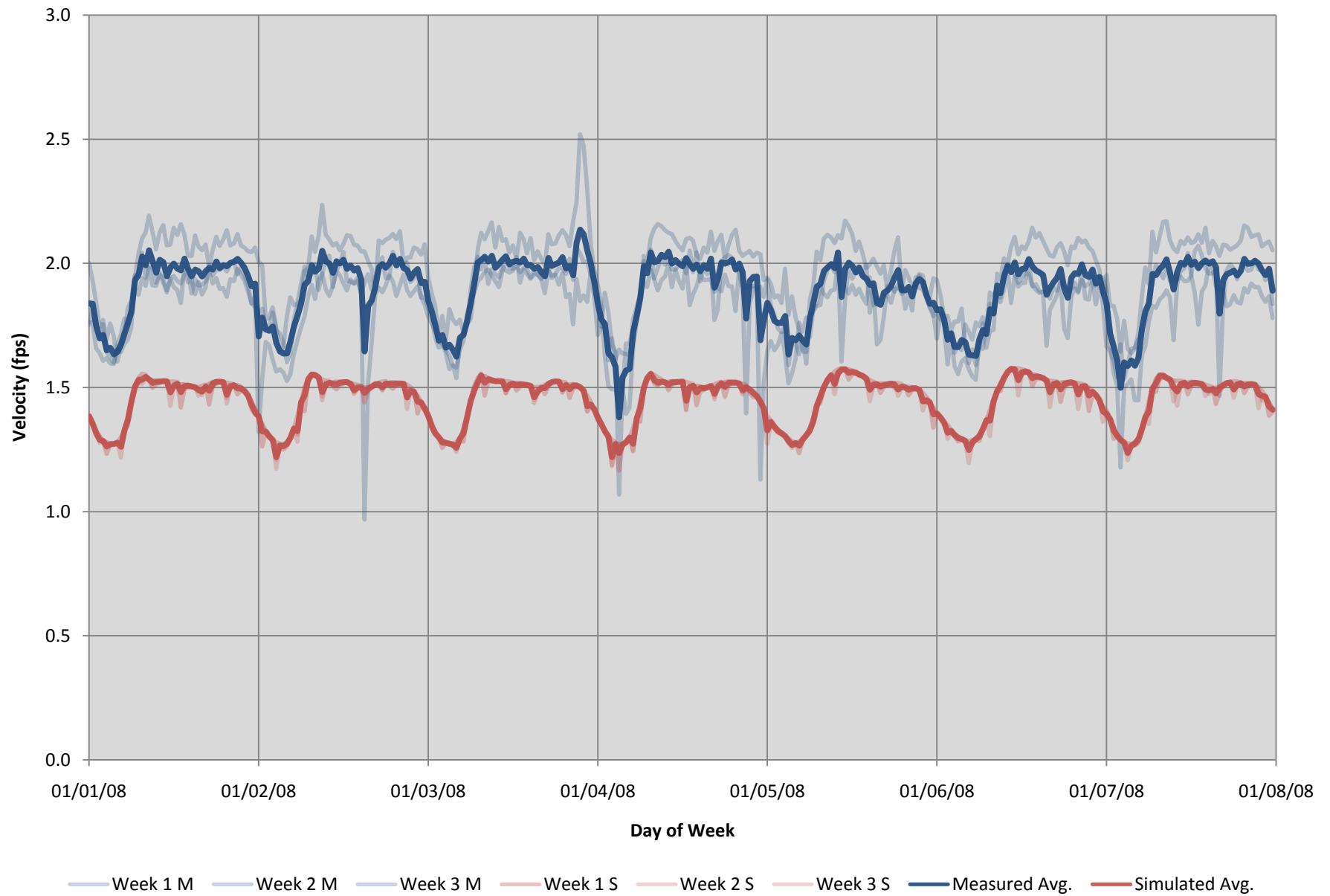
## LL29A DWF Calibration - Flow



## LL29A DWF Calibration - Depth



## LL29A DWF Calibration - Velocity

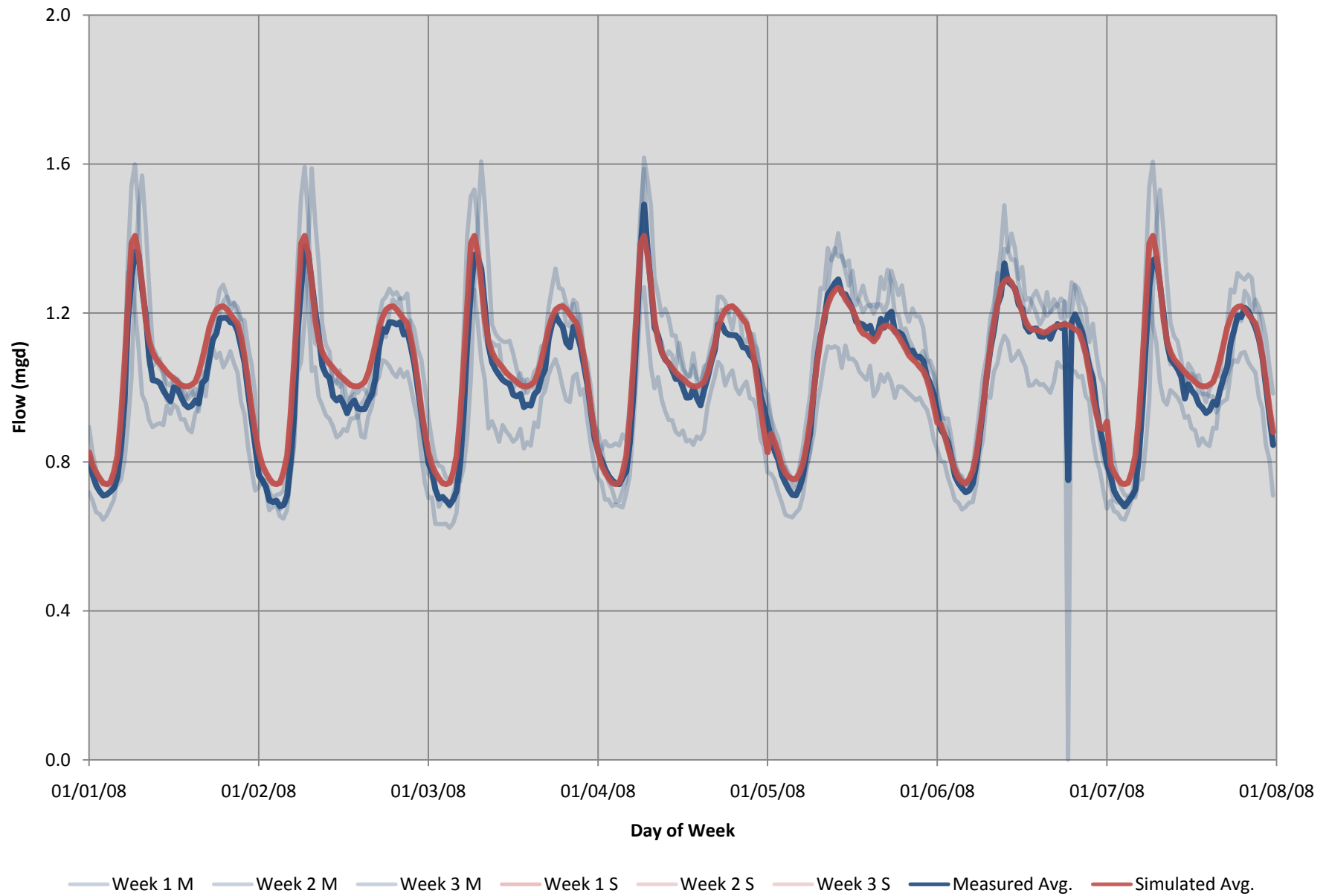


LL30 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.37	1.37	1.37	1.37	1.25	1.53	1.55	1.44	-5.0%	20%	-10%
Average Flow	1.05	1.05	1.05	1.05	0.92	1.06	1.07	1.02	2.9%	20%	-10%
Total Volume	7.35	7.35	7.35	7.35	6.46	7.45	7.51	7.14	2.9%	20%	-10%

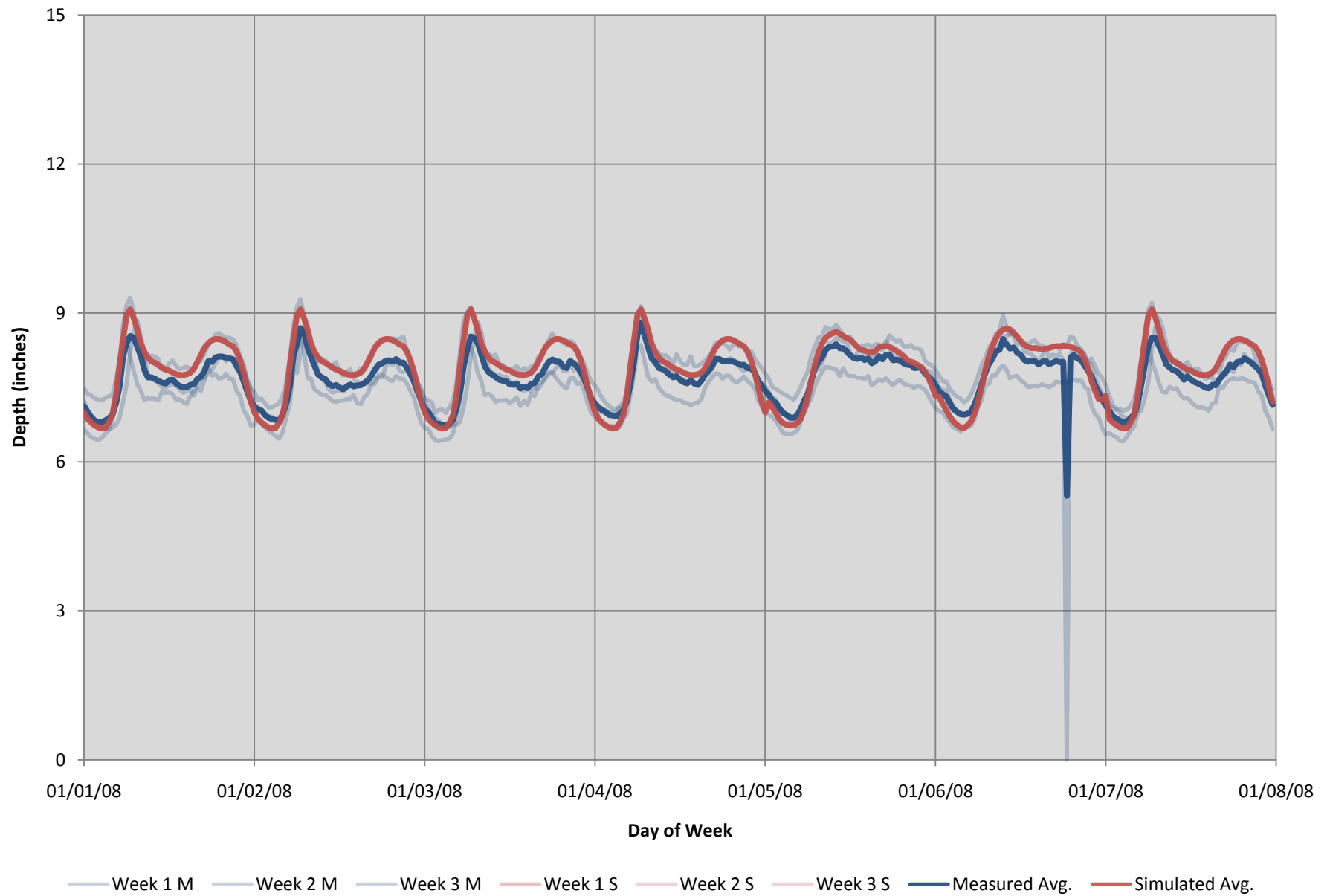
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.29	1.29	1.29	1.29	1.14	1.41	1.49	1.35
Monday	1.41	1.41	1.41	1.41	1.31	1.53	1.61	1.48
Tuesday	1.41	1.41	1.41	1.41	1.32	1.57	1.60	1.50
Wednesday	1.41	1.41	1.41	1.41	1.37	1.59	1.59	1.52
Thursday	1.41	1.41	1.41	1.41	1.26	1.61	1.53	1.47
Friday	1.41	1.41	1.41	1.41	1.27	1.62	1.59	1.49
Saturday	1.27	1.27	1.27	1.27	1.11	1.37	1.41	1.30

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL30 DWF Calibration - Flow

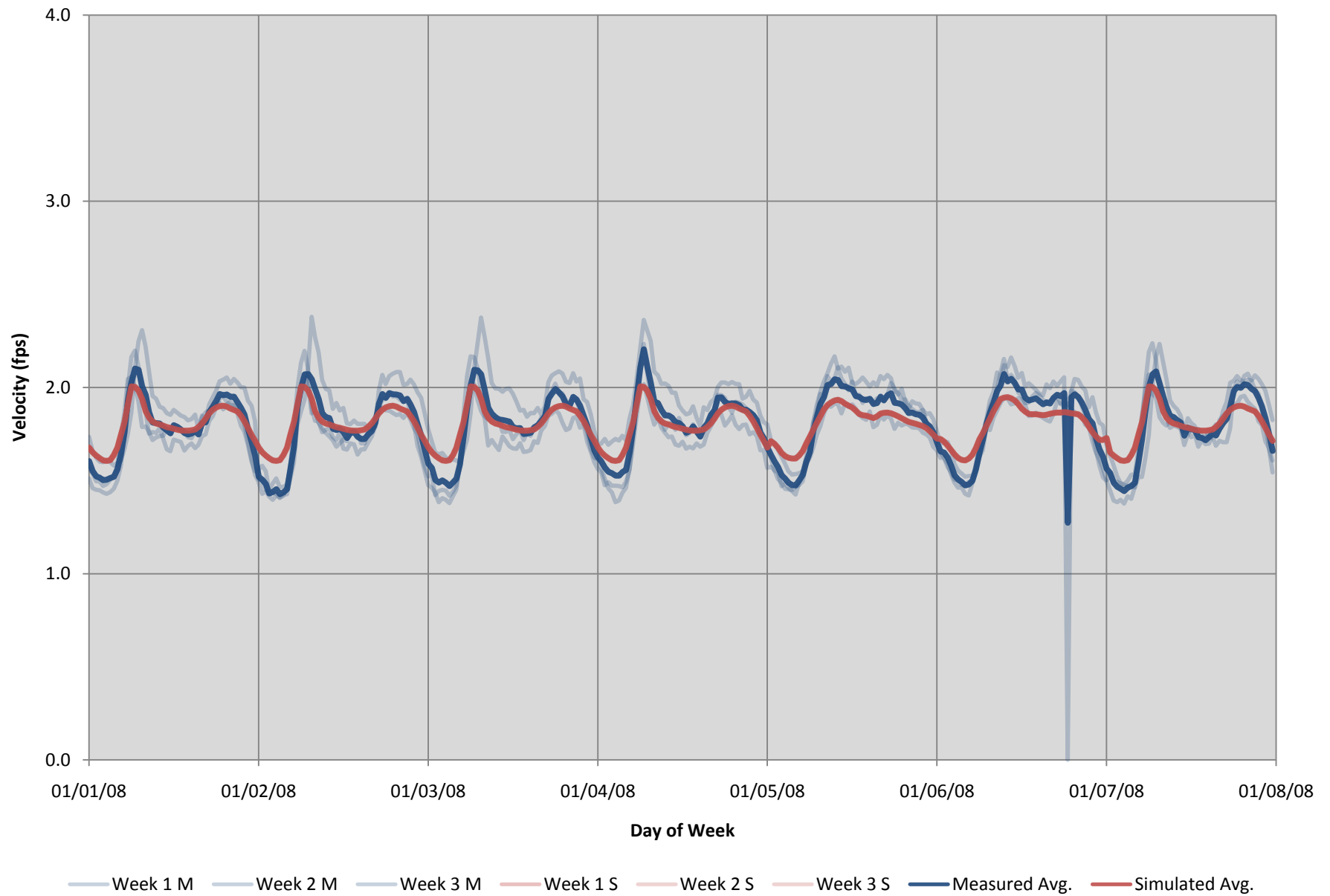


## LL30 DWF Calibration - Depth





## LL30 DWF Calibration - Velocity

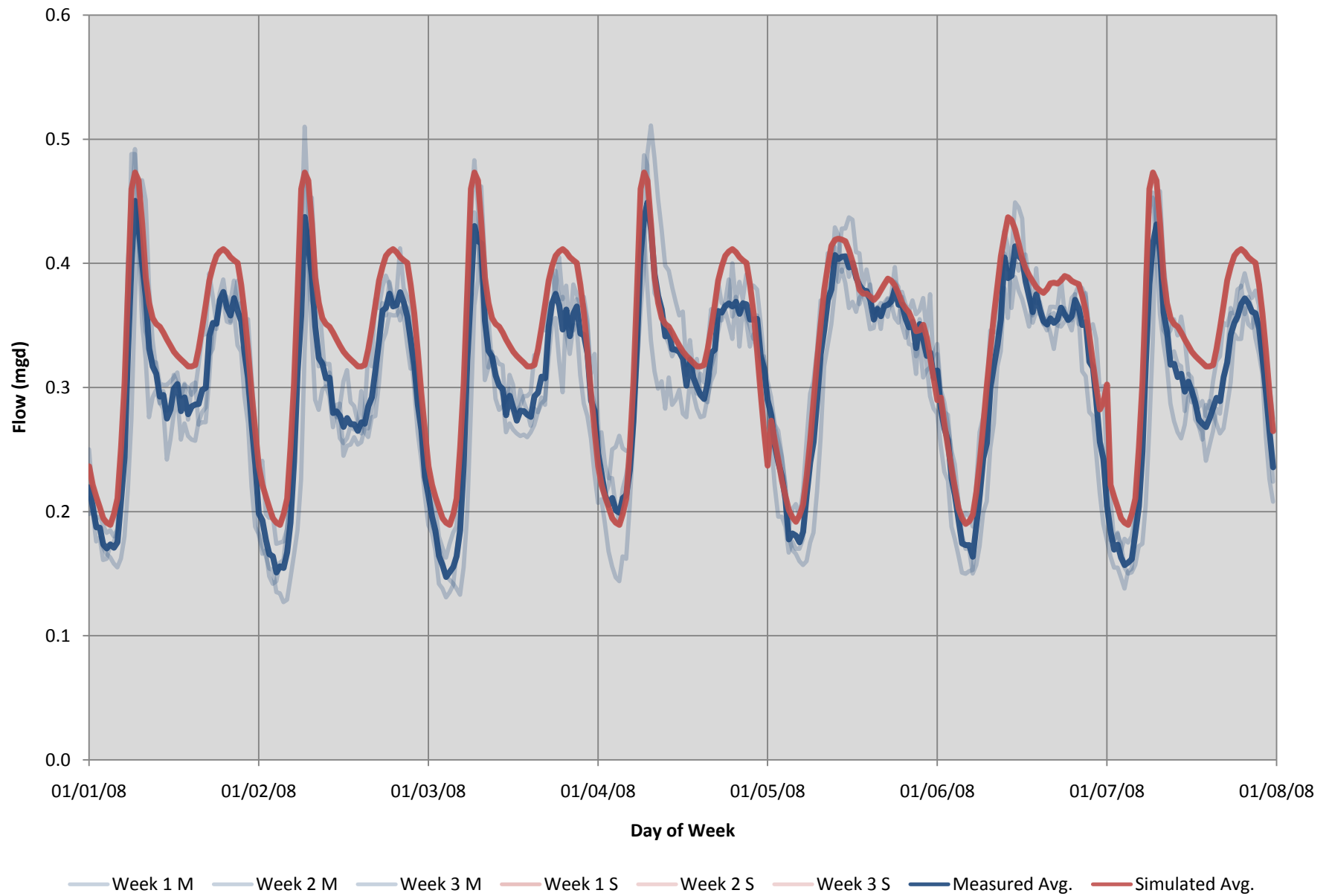


LL31 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.46	0.46	0.46	0.46	0.47	0.46	0.45	0.46	0.5%	20%	-10%
Average Flow	0.33	0.33	0.33	0.33	0.32	0.30	0.29	0.30	9.8%	20%	-10%
Total Volume	2.33	2.33	2.33	2.33	2.23	2.11	2.04	2.13	9.8%	20%	-10%

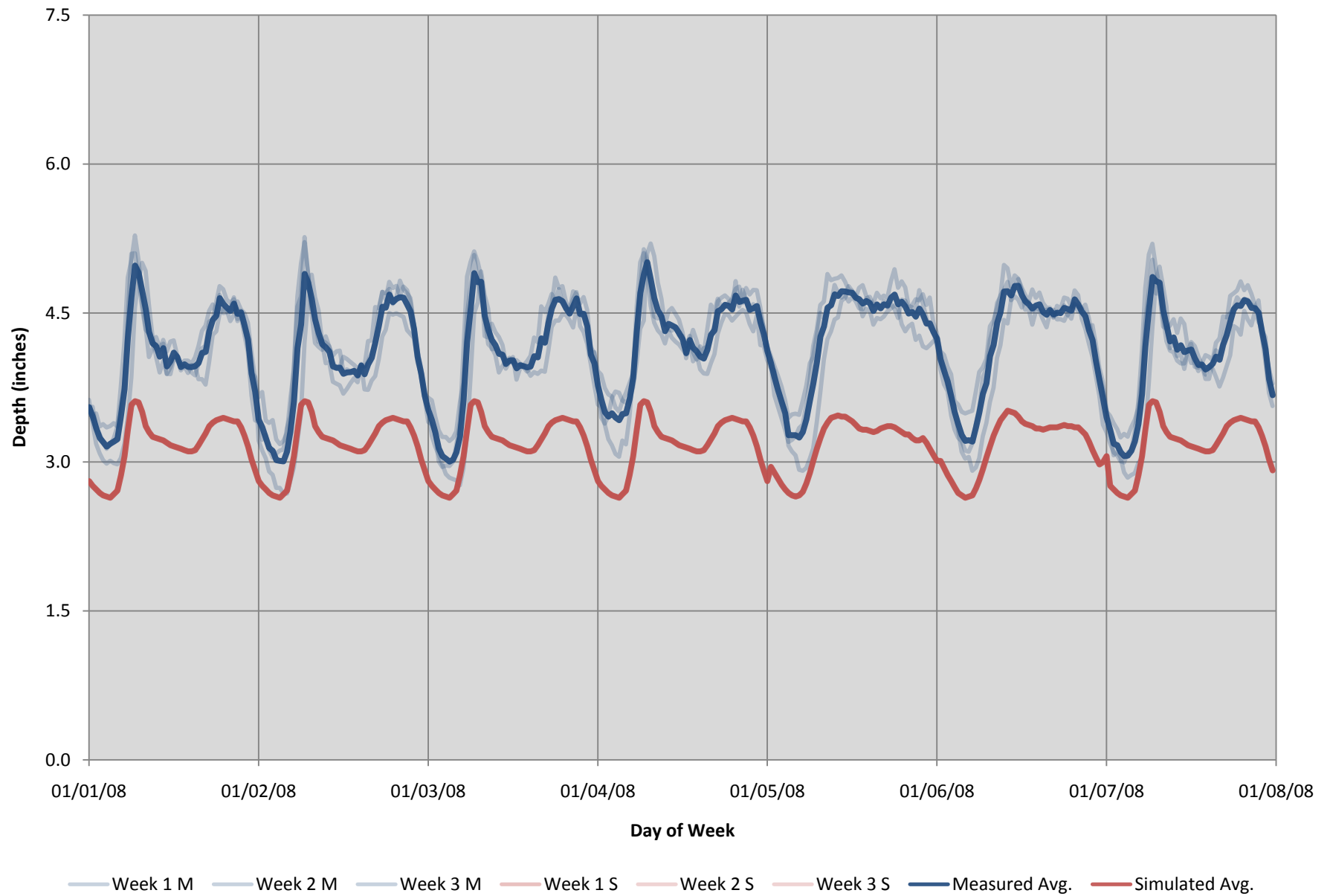
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.44	0.44	0.44	0.44	0.41	0.45	0.43	0.43
Monday	0.47	0.47	0.47	0.47	0.46	0.46	0.45	0.46
Tuesday	0.47	0.47	0.47	0.47	0.49	0.47	0.49	0.48
Wednesday	0.47	0.47	0.47	0.47	0.51	0.45	0.47	0.48
Thursday	0.47	0.47	0.47	0.47	0.48	0.46	0.44	0.46
Friday	0.47	0.47	0.47	0.47	0.49	0.51	0.43	0.47
Saturday	0.42	0.42	0.42	0.42	0.43	0.44	0.41	0.43

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

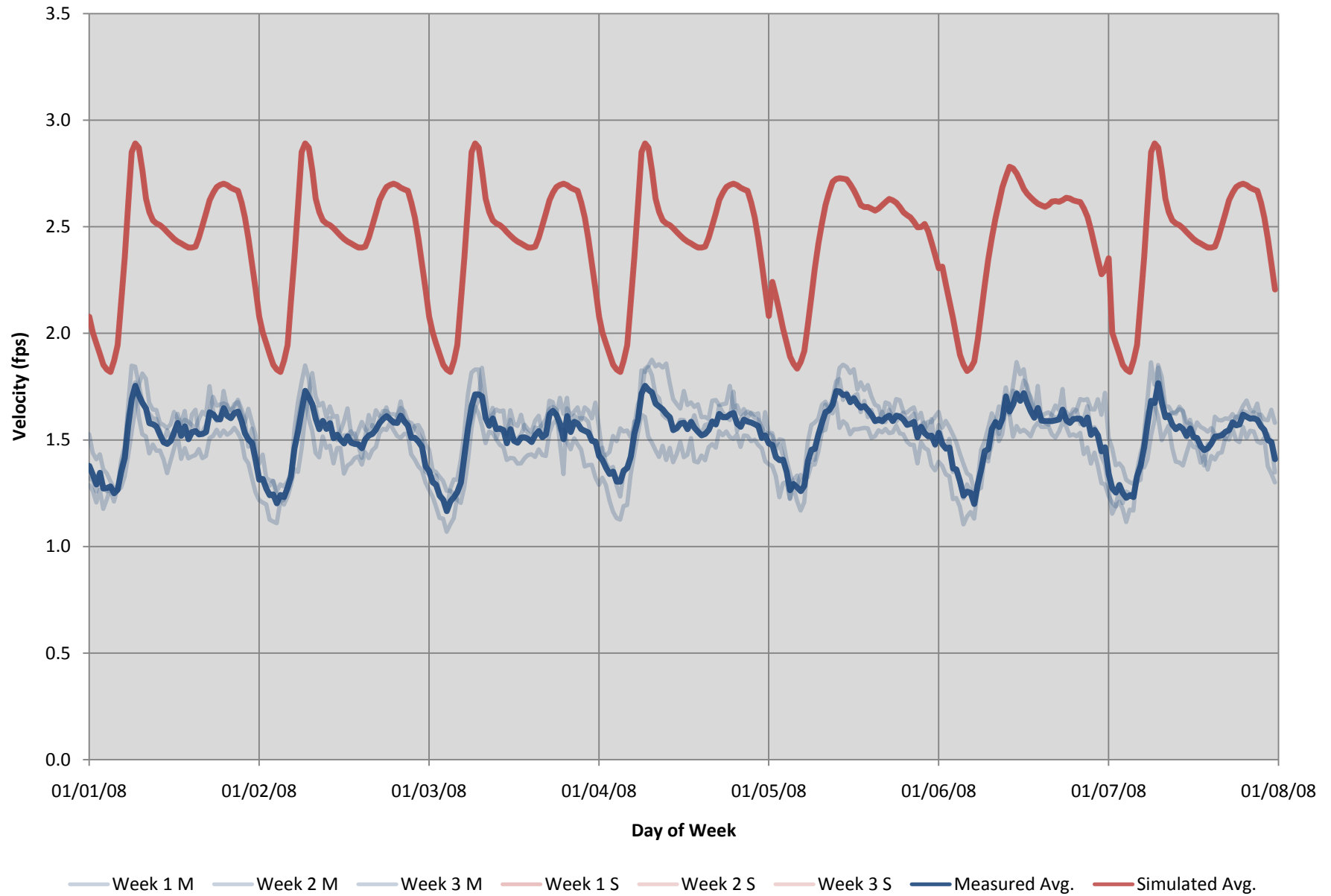
## LL31 DWF Calibration - Flow



## LL31 DWF Calibration - Depth



## LL31 DWF Calibration - Velocity

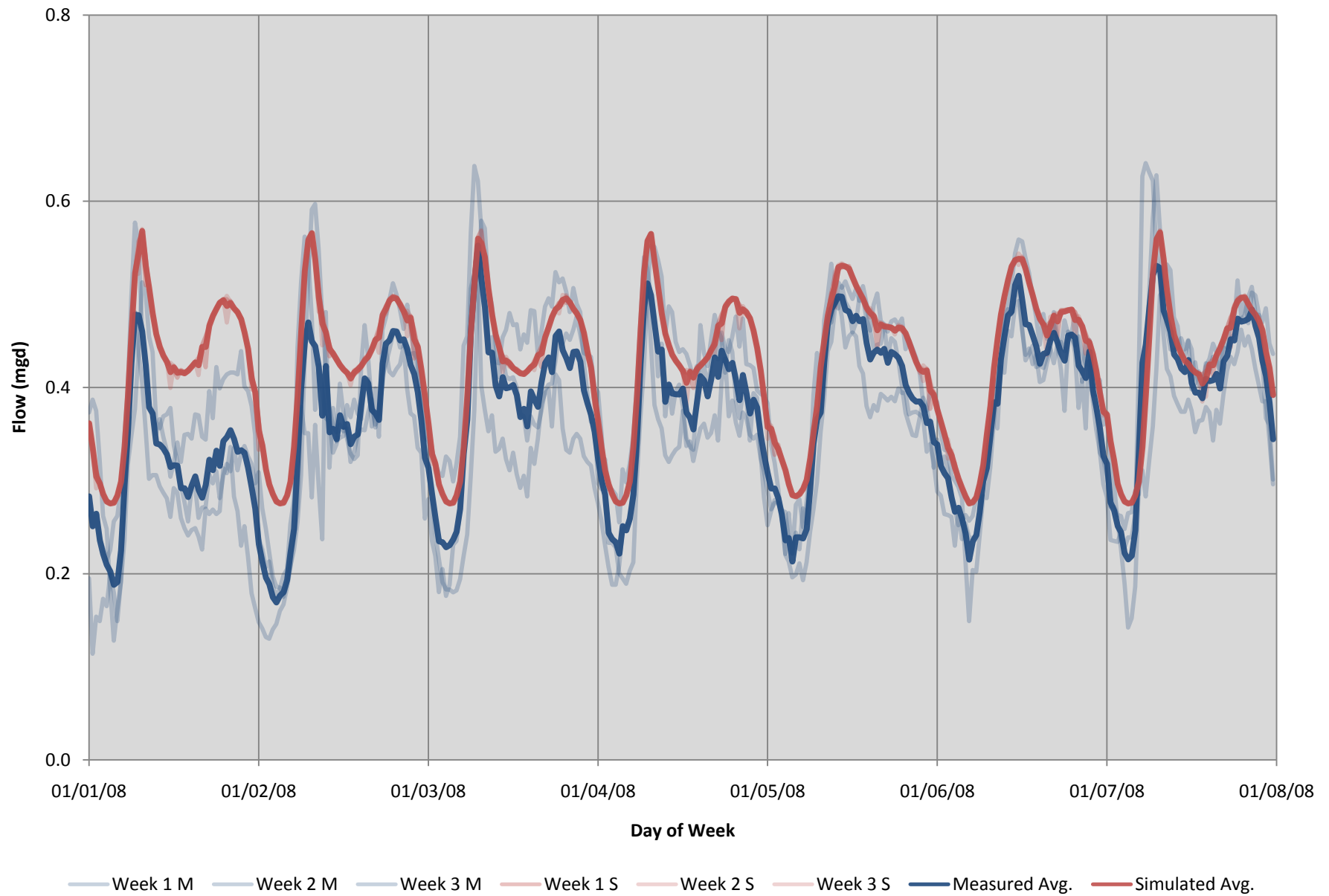


LL32 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55	1.9%	20%	-10%
Average Flow	0.42	0.42	0.42	0.42	0.36	0.38	0.37	0.37	14.2%	20%	-10%
Total Volume	2.96	2.96	2.96	2.96	2.51	2.65	2.62	2.59	14.2%	20%	-10%

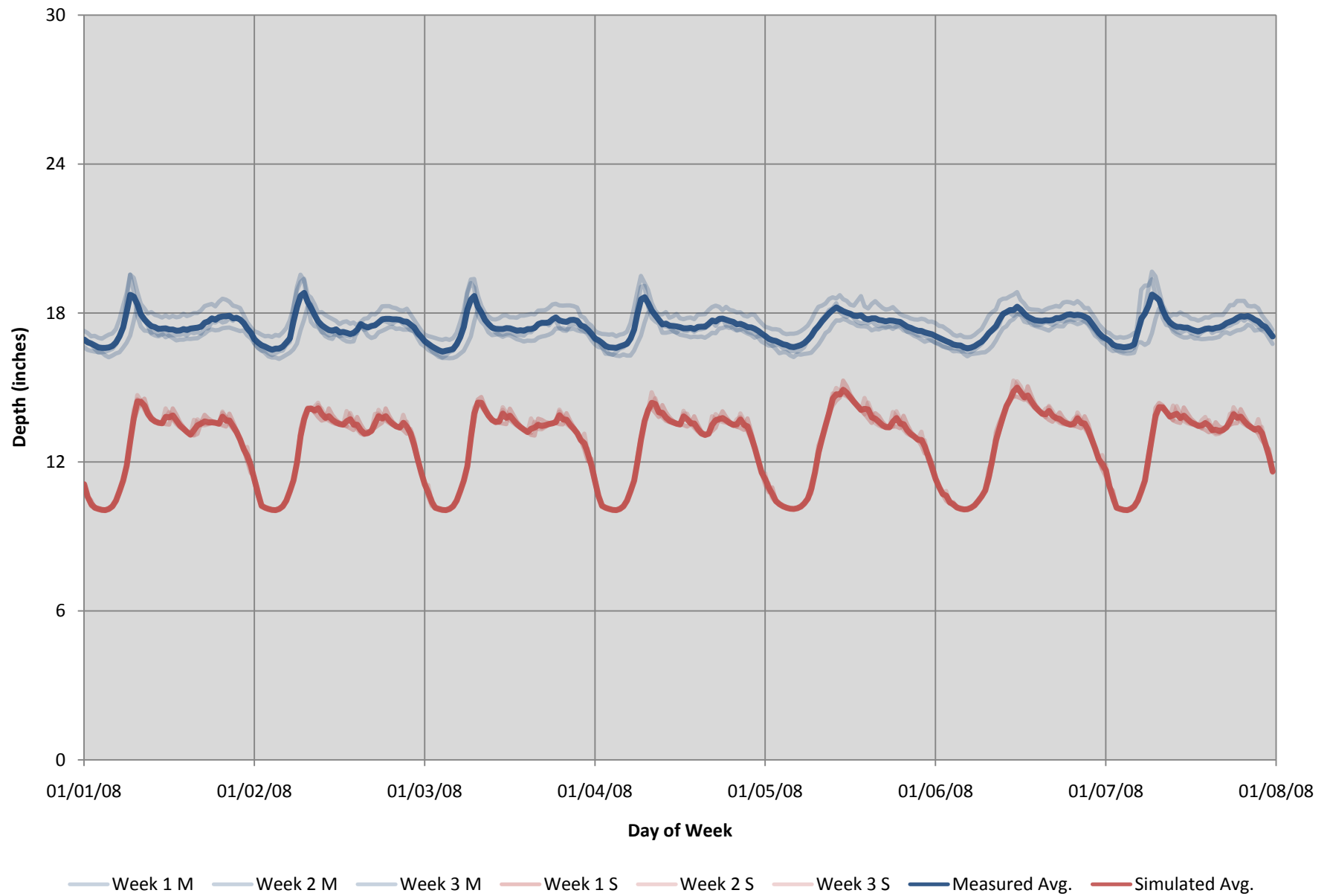
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.54	0.54	0.54	0.54	0.51	0.56	0.49	0.52
Monday	0.57	0.57	0.57	0.57	0.64	0.53	0.63	0.60
Tuesday	0.56	0.57	0.57	0.57	0.58	0.51	0.48	0.52
Wednesday	0.57	0.57	0.57	0.57	0.56	0.60	0.51	0.56
Thursday	0.56	0.57	0.57	0.56	0.53	0.58	0.64	0.58
Friday	0.57	0.57	0.56	0.57	0.51	0.55	0.54	0.53
Saturday	0.53	0.53	0.53	0.53	0.50	0.51	0.53	0.51

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL32 DWF Calibration - Flow

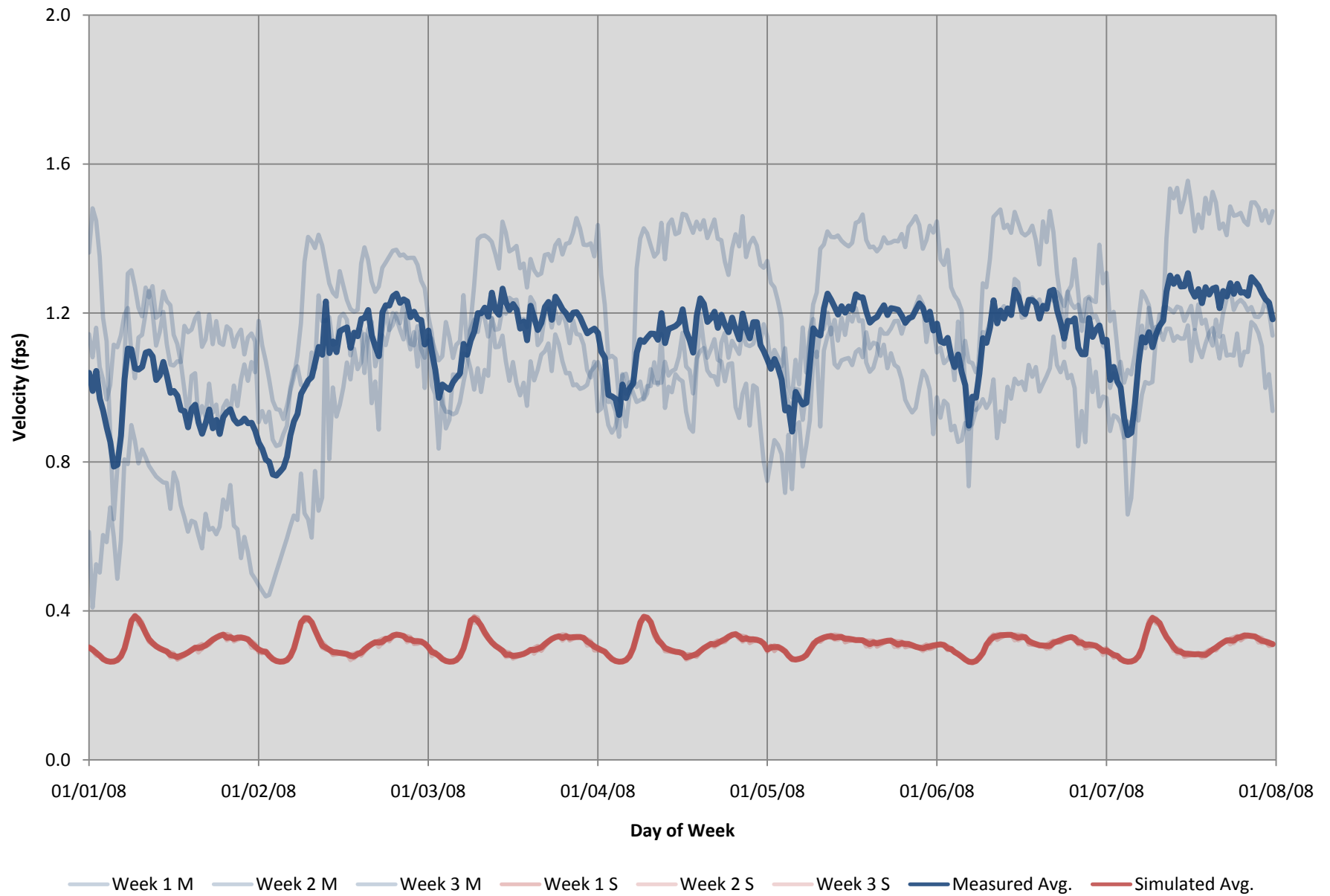


## LL32 DWF Calibration - Depth





## LL32 DWF Calibration - Velocity

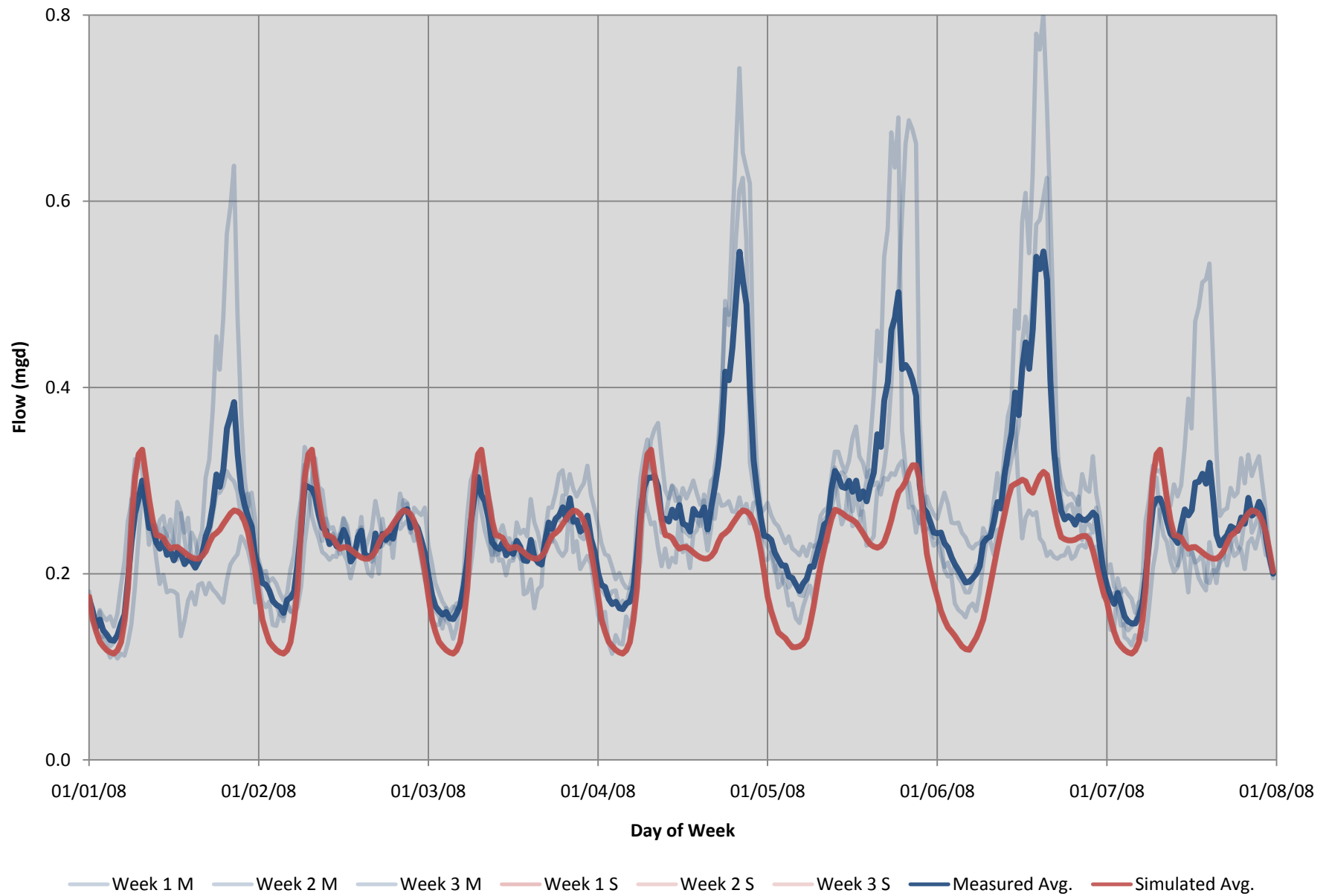


LL33 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.33	0.33	0.33	0.33	0.50	0.33	0.53	0.45	-27.9%	20%	-10%
Average Flow	0.22	0.22	0.22	0.22	0.26	0.23	0.28	0.26	-14.3%	20%	-10%
Total Volume	1.54	1.54	1.54	1.54	1.79	1.64	1.96	1.80	-14.3%	20%	-10%

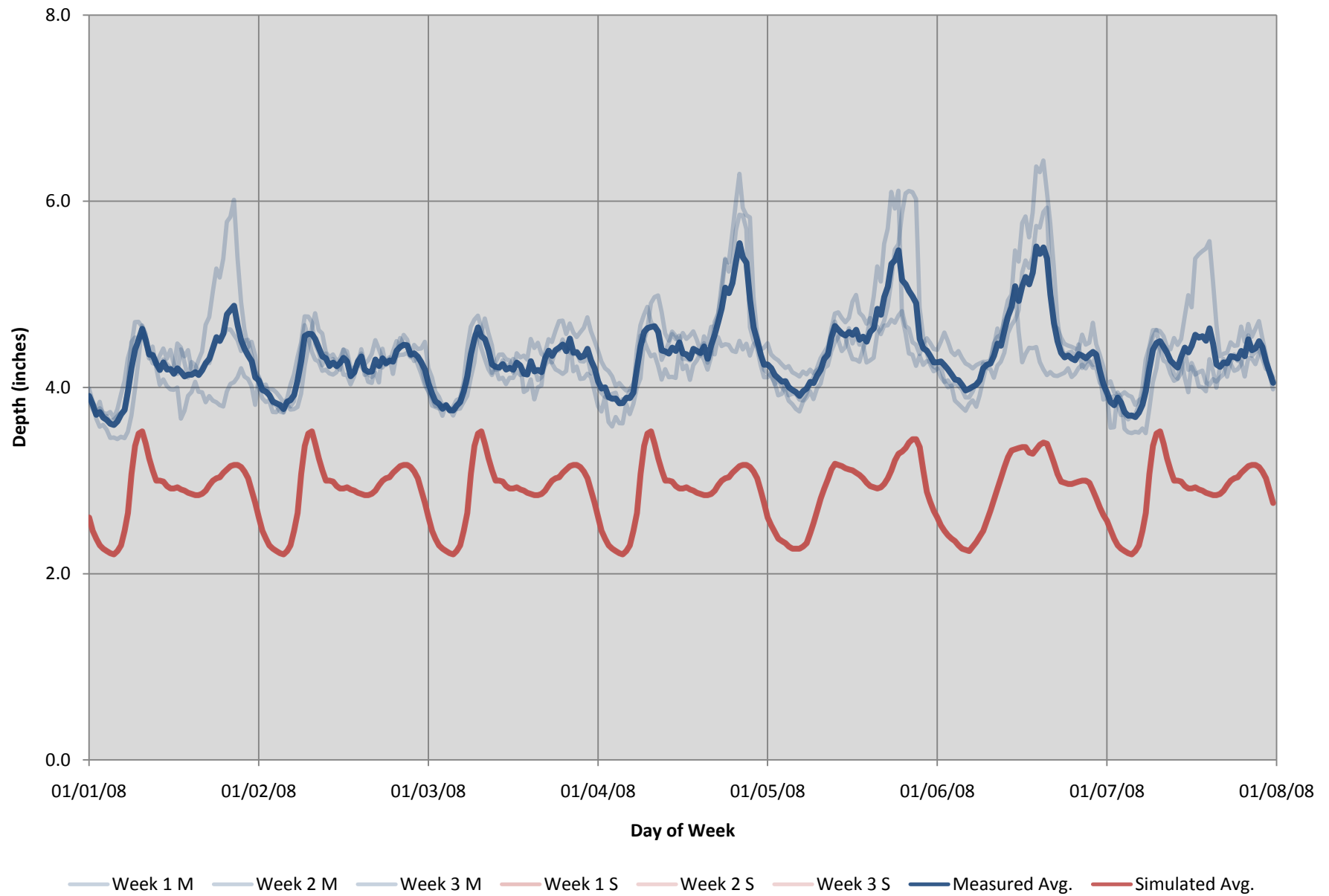
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.31	0.31	0.31	0.31	0.63	0.37	0.80	0.60
Monday	0.33	0.33	0.33	0.33	0.30	0.27	0.53	0.37
Tuesday	0.33	0.33	0.33	0.33	0.64	0.29	0.32	0.42
Wednesday	0.33	0.33	0.33	0.33	0.32	0.32	0.34	0.33
Thursday	0.33	0.33	0.33	0.33	0.30	0.32	0.32	0.31
Friday	0.33	0.33	0.33	0.33	0.63	0.36	0.74	0.58
Saturday	0.32	0.32	0.32	0.32	0.69	0.36	0.69	0.58

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

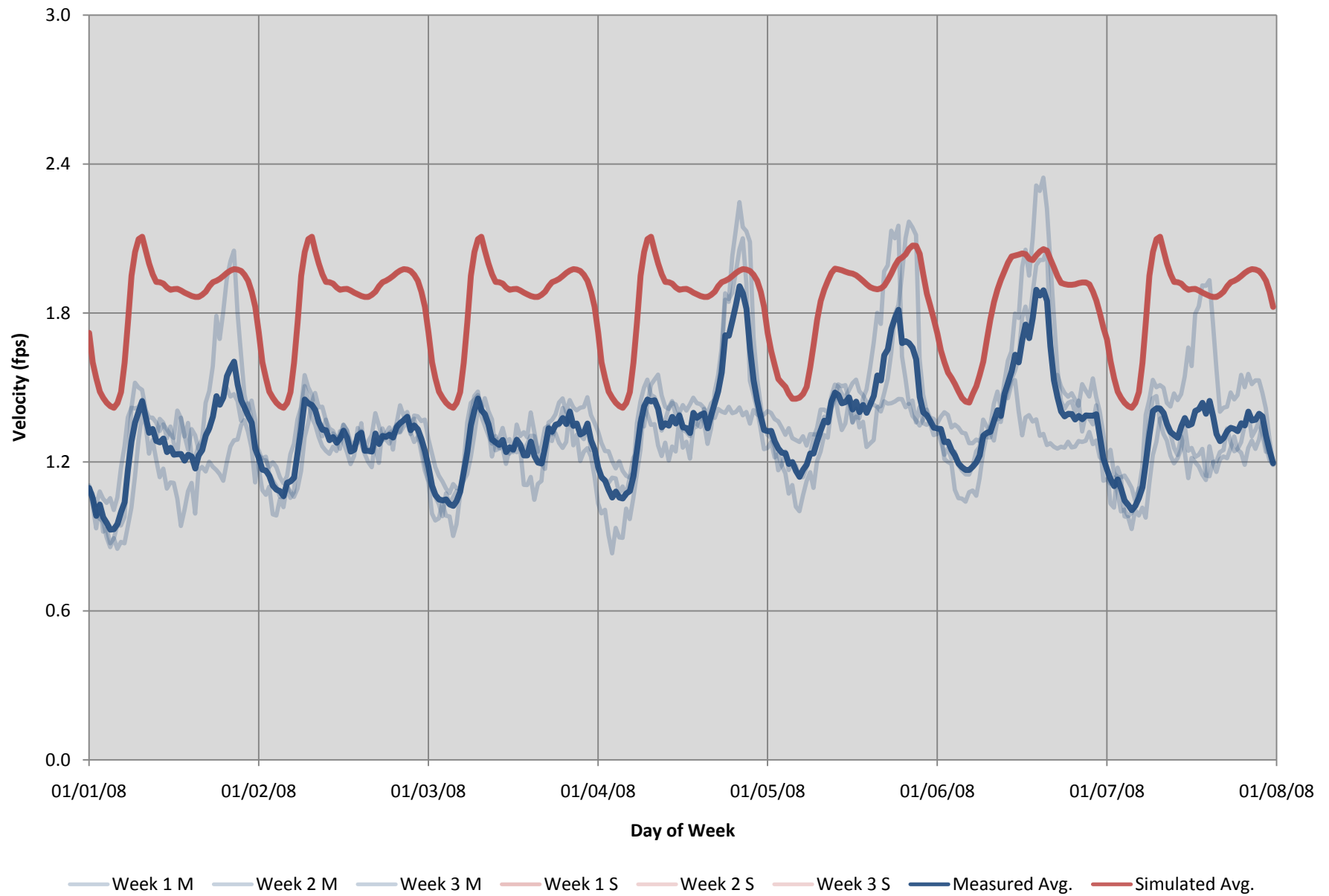
## LL33 DWF Calibration - Flow



## LL33 DWF Calibration - Depth



## LL33 DWF Calibration - Velocity

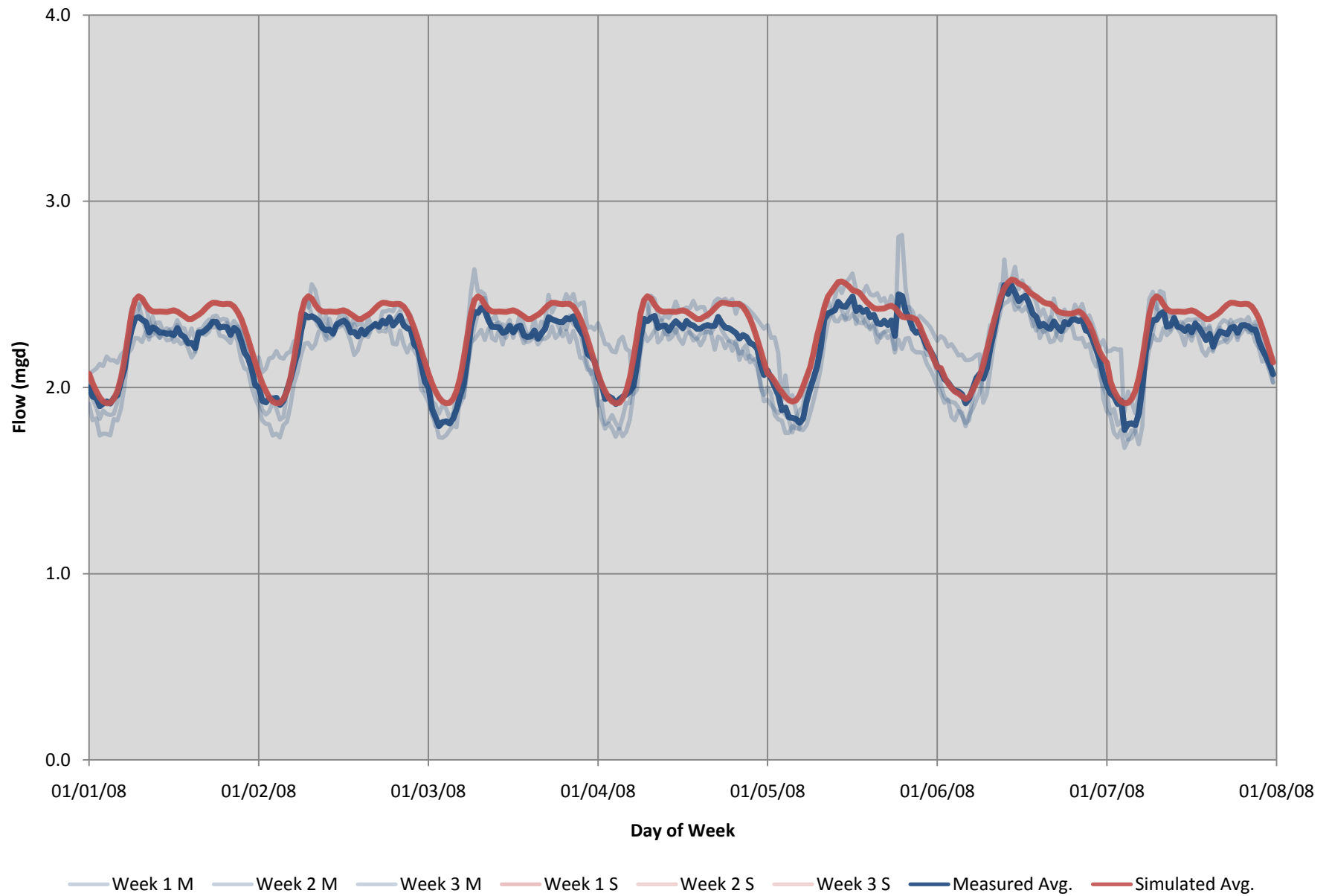


LL34 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	2.51	2.51	2.51	2.51	2.41	2.55	2.56	2.51	0.3%	20%	-10%
Average Flow	2.30	2.30	2.30	2.30	2.17	2.29	2.21	2.22	3.6%	20%	-10%
Total Volume	16.12	16.12	16.12	16.12	15.16	16.04	15.49	15.56	3.6%	20%	-10%

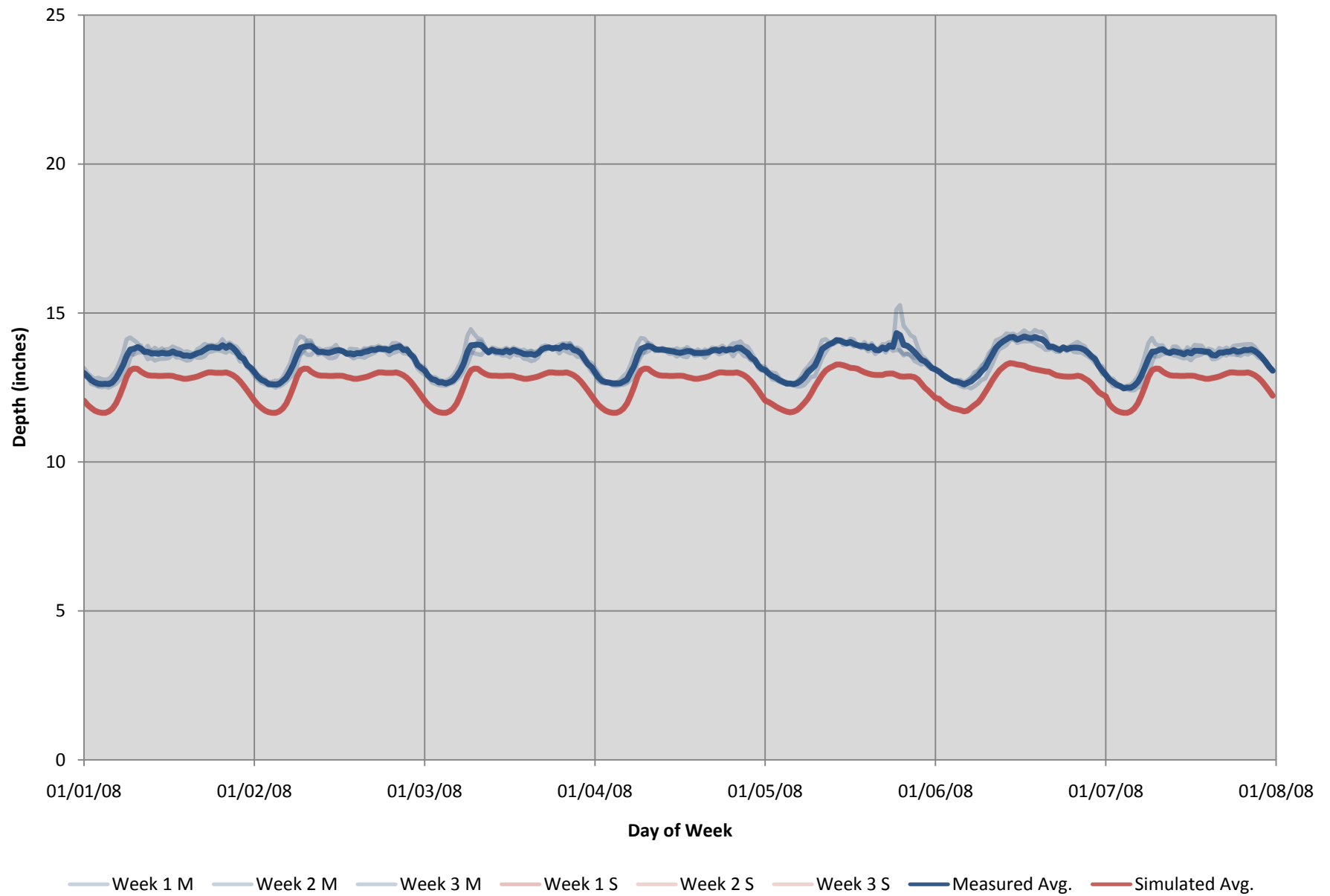
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	2.58	2.58	2.58	2.58	2.50	2.69	2.57	2.59
Monday	2.49	2.49	2.49	2.49	2.37	2.52	2.51	2.47
Tuesday	2.49	2.49	2.49	2.49	2.35	2.47	2.46	2.43
Wednesday	2.49	2.49	2.49	2.49	2.40	2.55	2.47	2.47
Thursday	2.49	2.49	2.49	2.49	2.40	2.50	2.64	2.51
Friday	2.49	2.49	2.49	2.49	2.38	2.49	2.47	2.45
Saturday	2.57	2.57	2.57	2.57	2.46	2.61	2.82	2.63

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL34 DWF Calibration - Flow

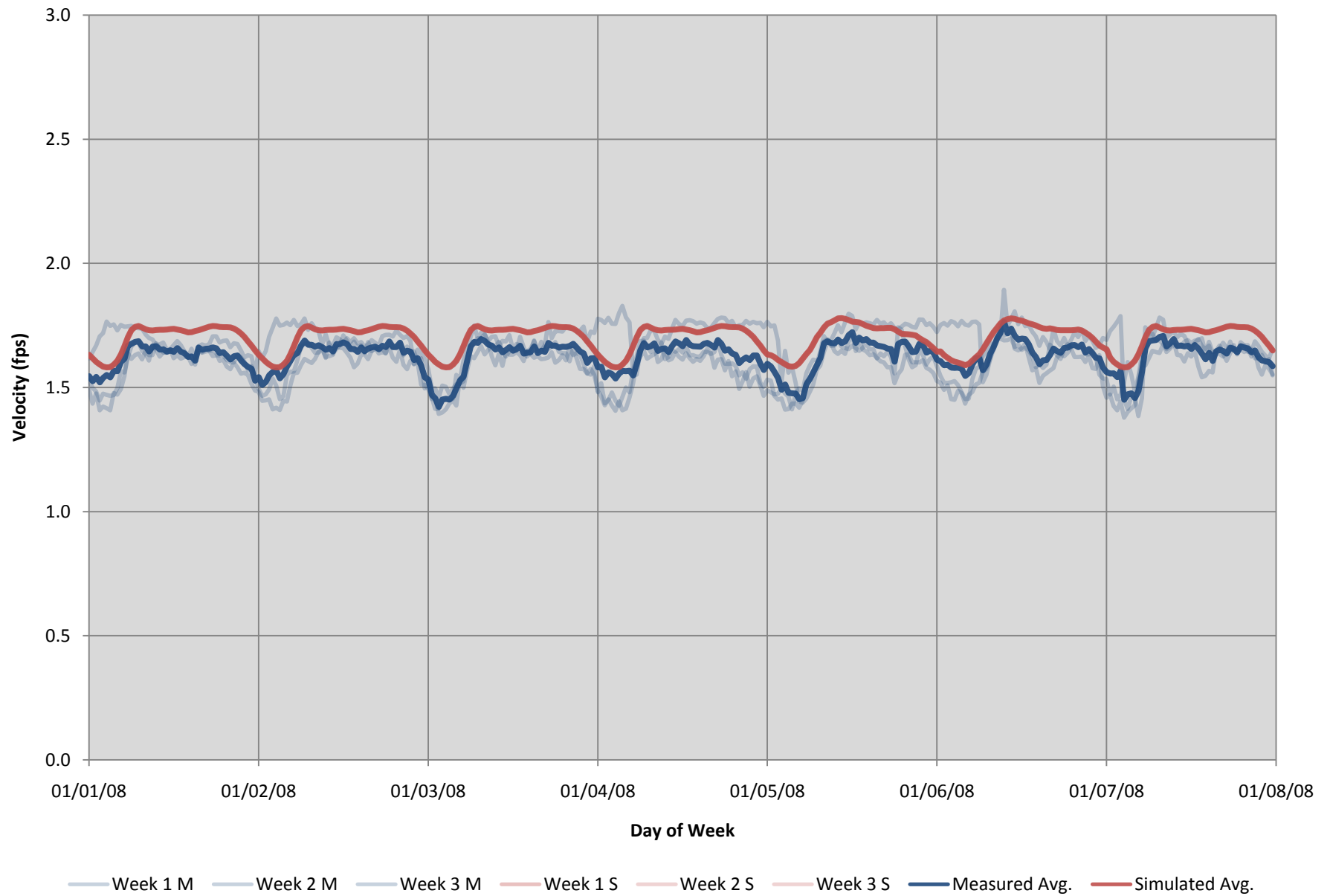


## LL34 DWF Calibration - Depth





## LL34 DWF Calibration - Velocity

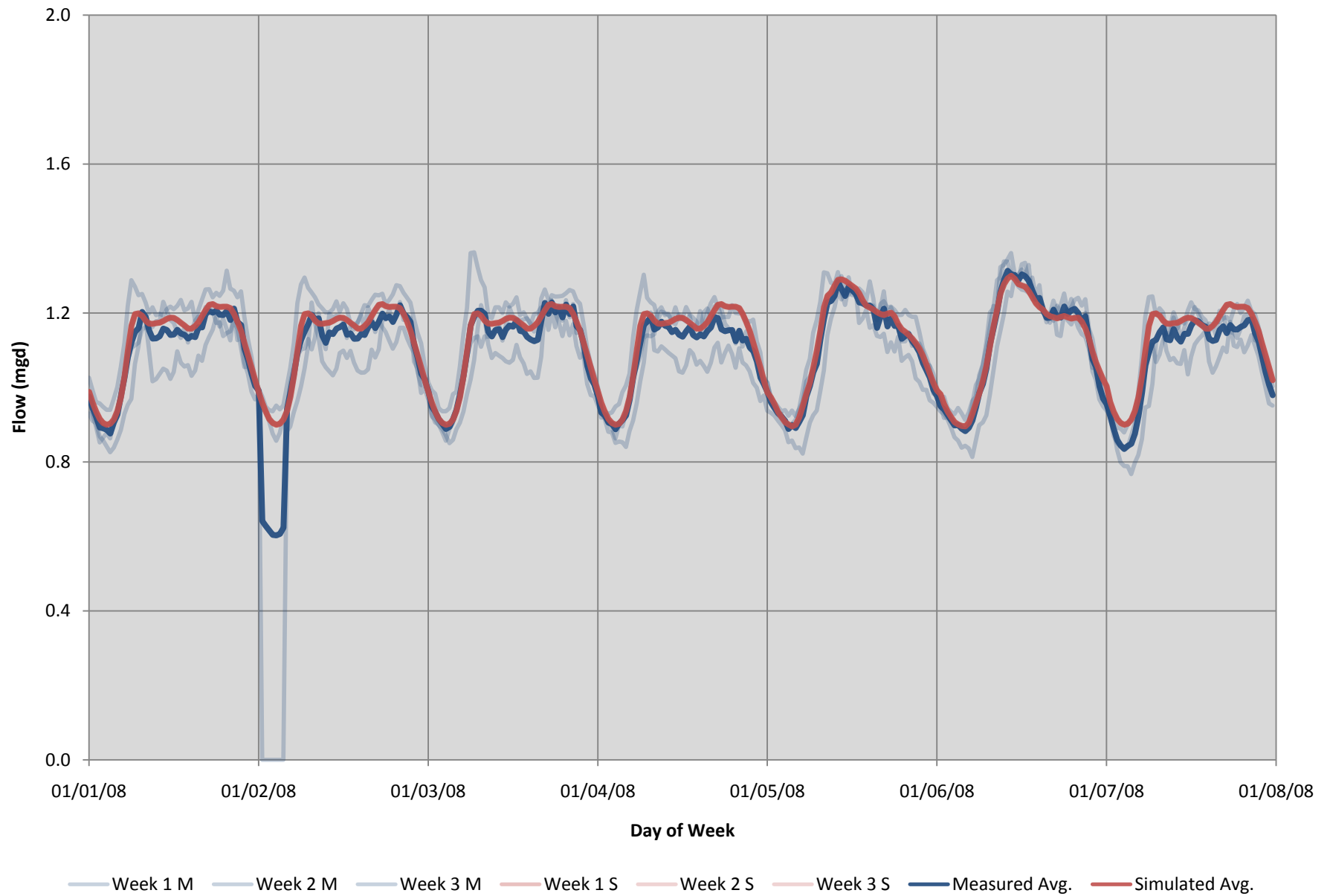


LL35 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.24	1.24	1.24	1.24	1.26	1.23	1.31	1.27	-1.8%	20%	-10%
Average Flow	1.12	1.12	1.12	1.12	1.10	1.03	1.15	1.09	2.2%	20%	-10%
Total Volume	7.83	7.83	7.83	7.83	7.73	7.20	8.05	7.66	2.2%	20%	-10%

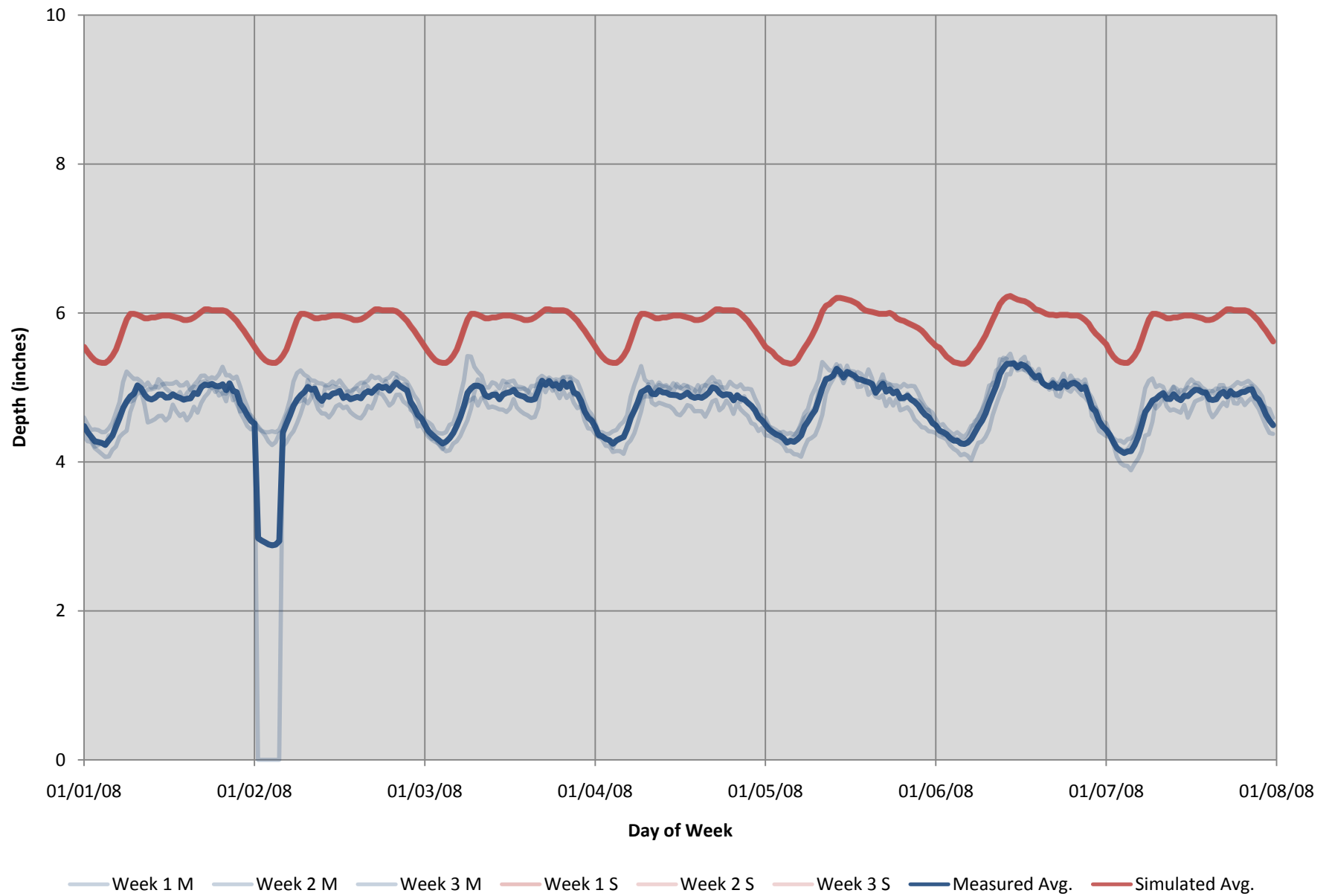
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.30	1.30	1.30	1.30	1.36	1.30	1.34	1.33
Monday	1.22	1.22	1.22	1.22	1.23	1.18	1.25	1.22
Tuesday	1.22	1.22	1.22	1.22	1.23	1.20	1.31	1.25
Wednesday	1.22	1.22	1.22	1.22	1.22	1.23	1.30	1.25
Thursday	1.22	1.22	1.22	1.22	1.26	1.23	1.36	1.29
Friday	1.22	1.22	1.22	1.22	1.24	1.20	1.30	1.25
Saturday	1.29	1.29	1.29	1.29	1.30	1.27	1.31	1.29

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

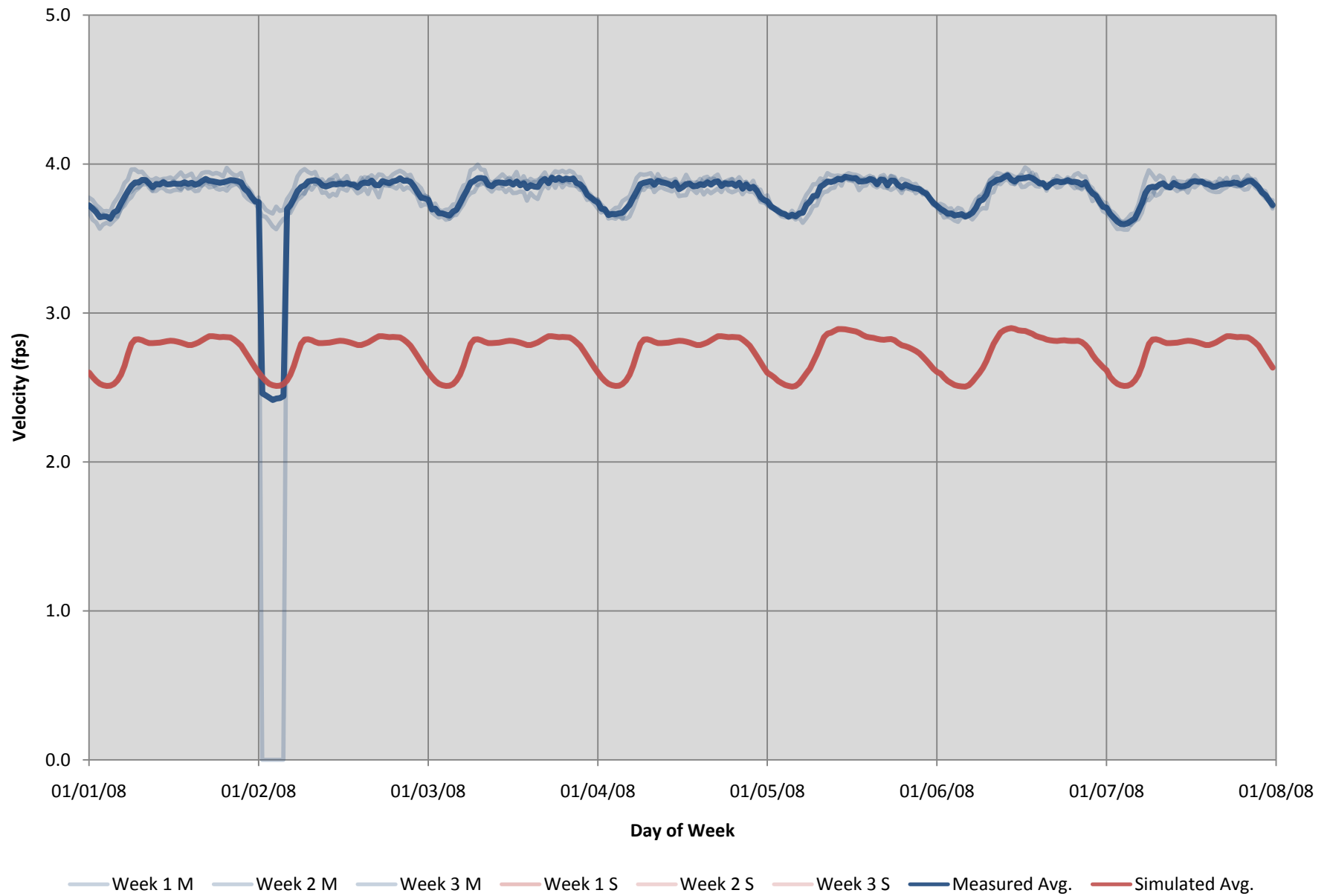
## LL35 DWF Calibration - Flow



## LL35 DWF Calibration - Depth



## LL35 DWF Calibration - Velocity

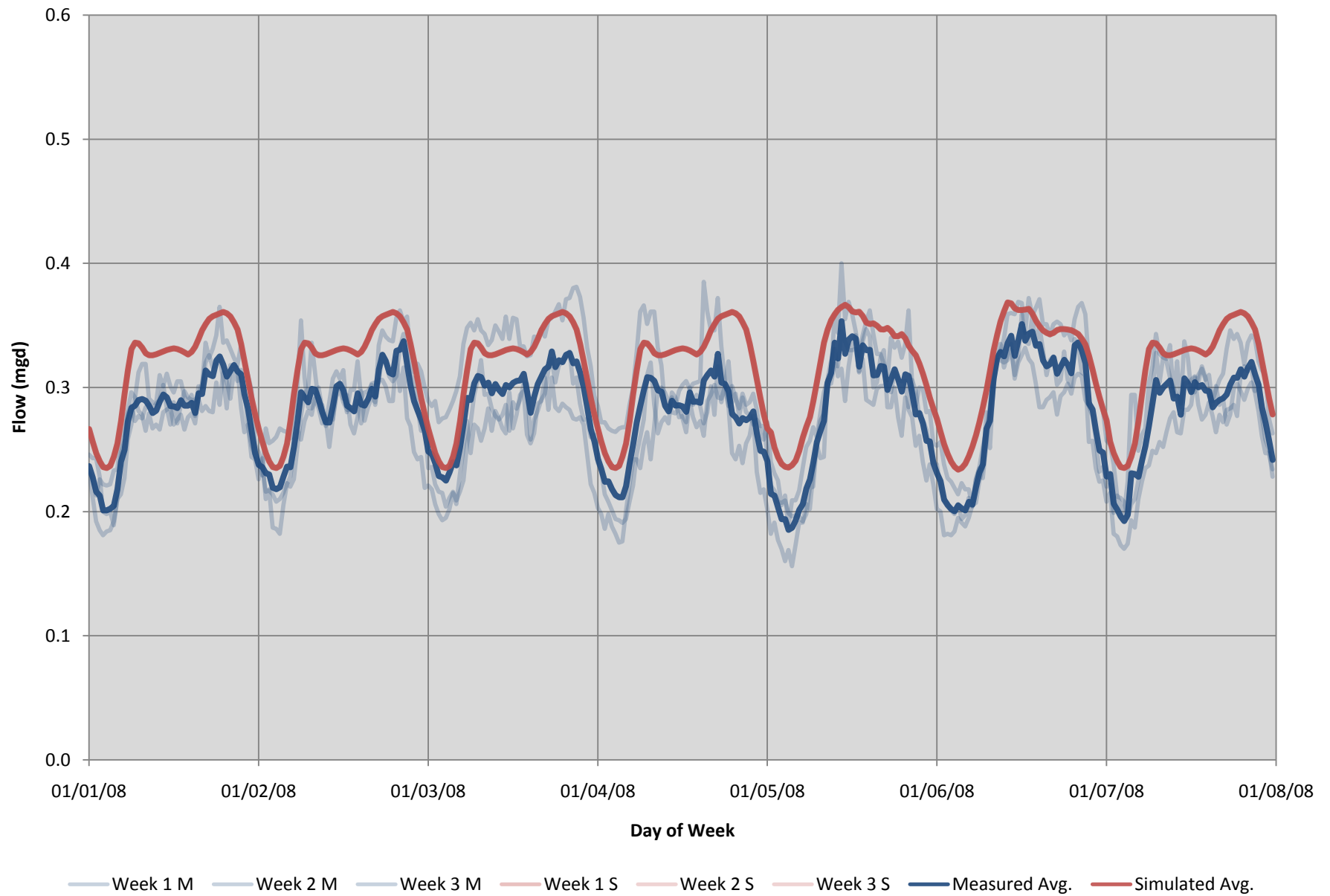


LL36 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.36	0.36	0.36	0.36	0.33	0.35	0.35	0.34	5.5%	20%	-10%
Average Flow	0.32	0.32	0.32	0.32	0.26	0.28	0.29	0.28	12.6%	20%	-10%
Total Volume	2.21	2.21	2.21	2.21	1.85	1.99	2.04	1.96	12.6%	20%	-10%

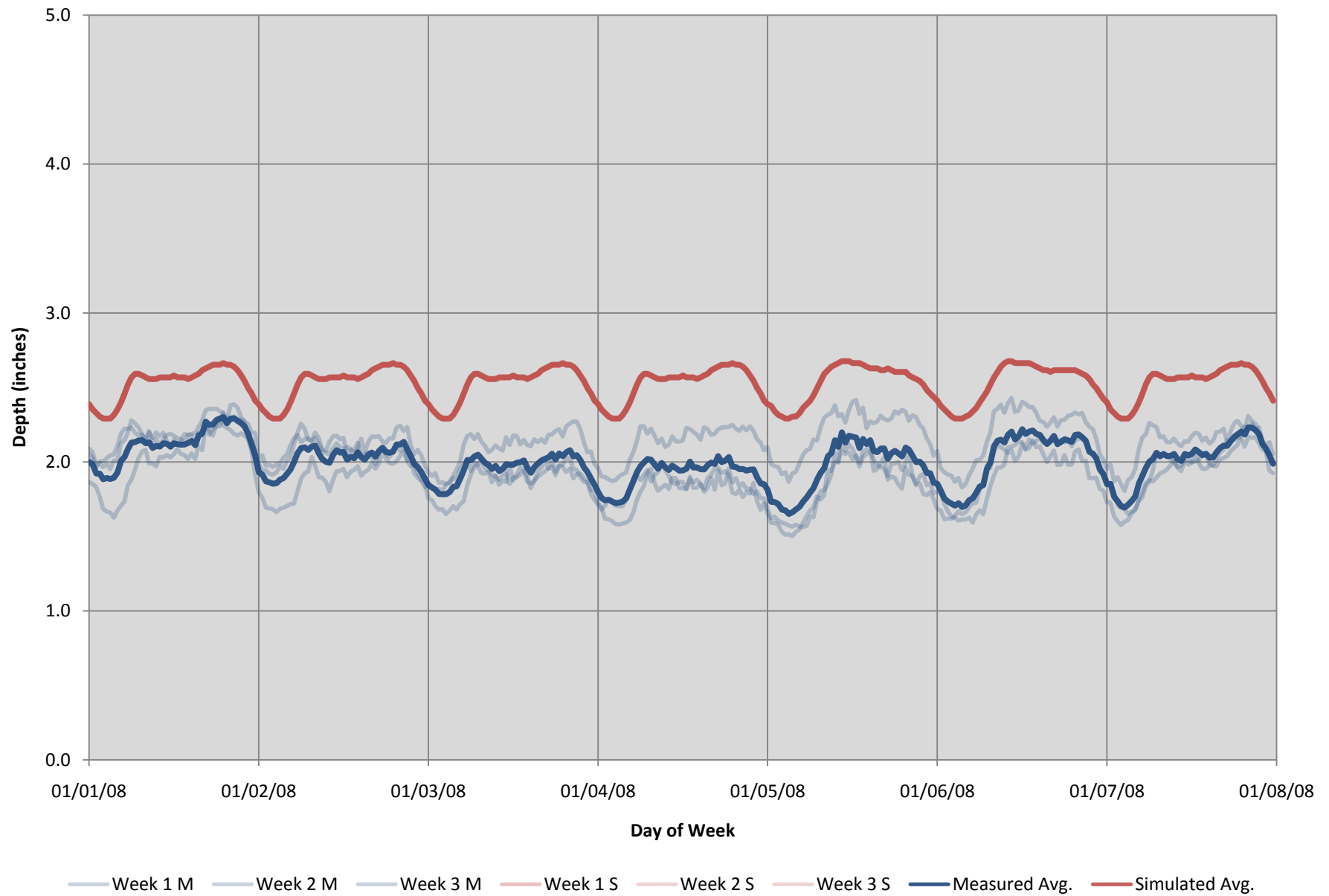
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.37	0.37	0.37	0.37	0.36	0.37	0.34	0.36
Monday	0.36	0.36	0.36	0.36	0.32	0.35	0.34	0.34
Tuesday	0.36	0.36	0.36	0.36	0.33	0.37	0.31	0.34
Wednesday	0.36	0.36	0.36	0.36	0.32	0.34	0.36	0.34
Thursday	0.36	0.36	0.36	0.36	0.31	0.33	0.38	0.34
Friday	0.36	0.36	0.36	0.36	0.30	0.32	0.39	0.34
Saturday	0.37	0.37	0.37	0.37	0.35	0.40	0.34	0.36

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL36 DWF Calibration - Flow

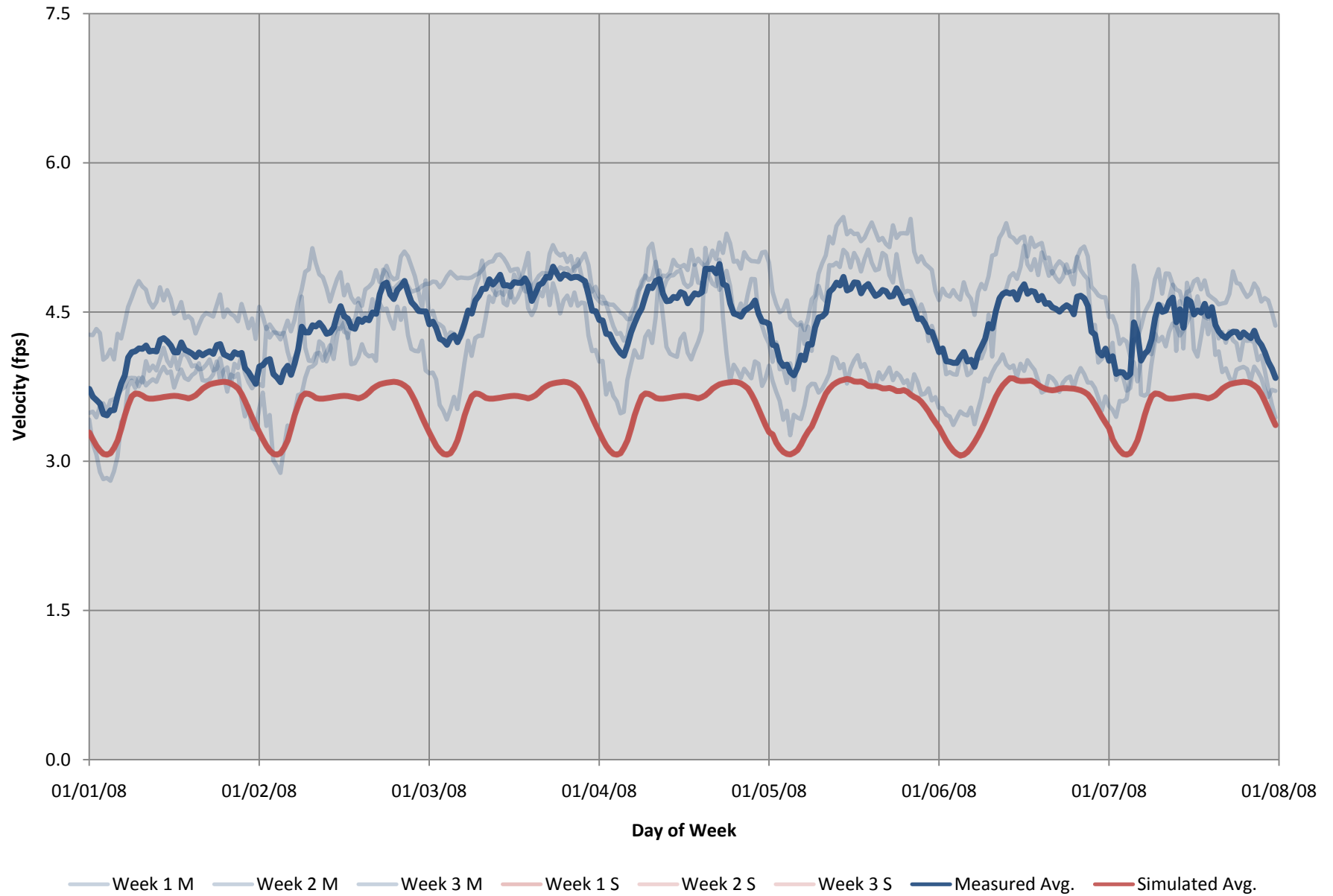


## LL36 DWF Calibration - Depth





## LL36 DWF Calibration - Velocity

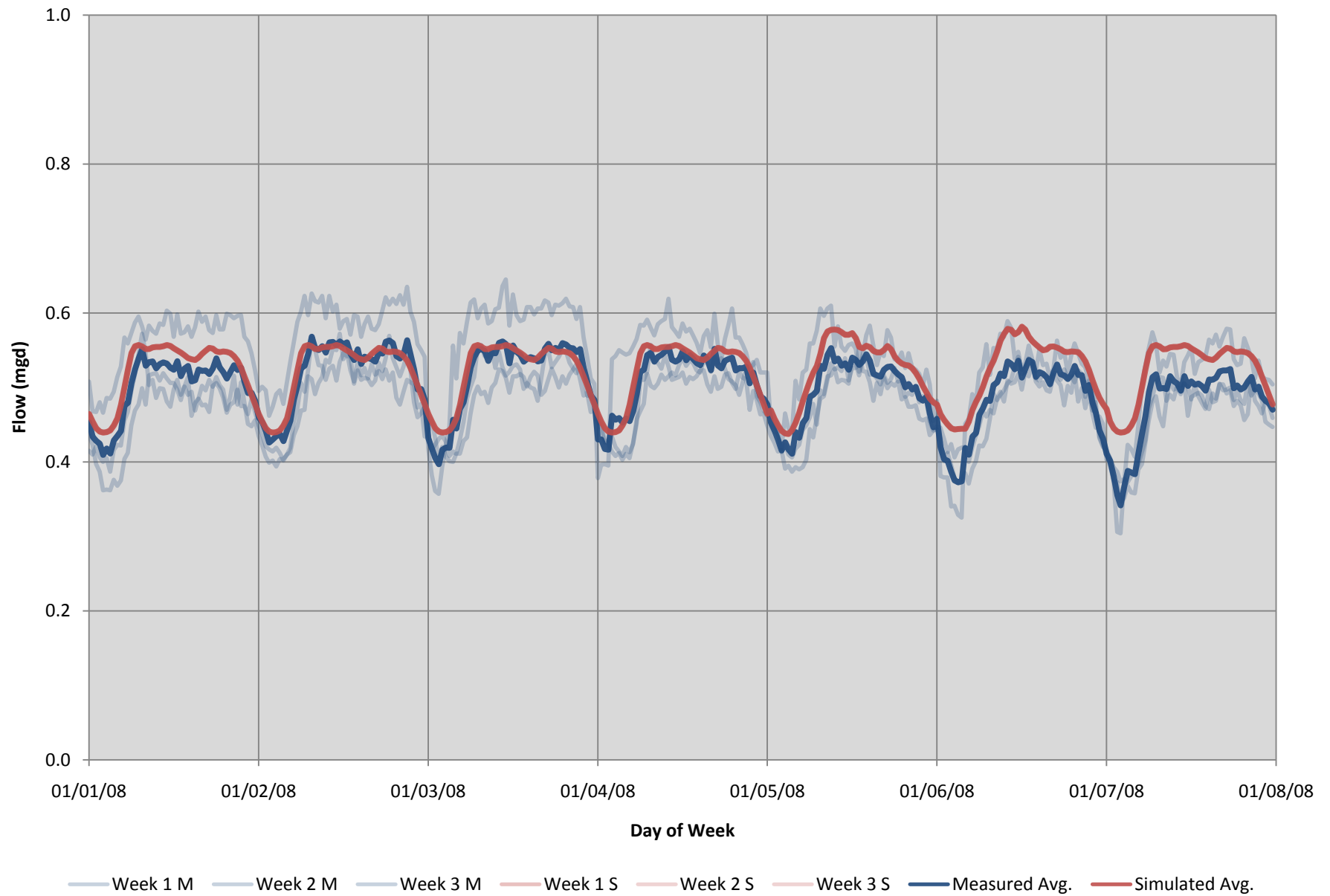


LL37 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.56	0.56	0.56	0.56	0.54	0.55	0.61	0.57	-0.5%	20%	-10%
Average Flow	0.52	0.52	0.52	0.52	0.48	0.48	0.54	0.50	4.3%	20%	-10%
Total Volume	3.65	3.65	3.65	3.65	3.35	3.37	3.79	3.50	4.3%	20%	-10%

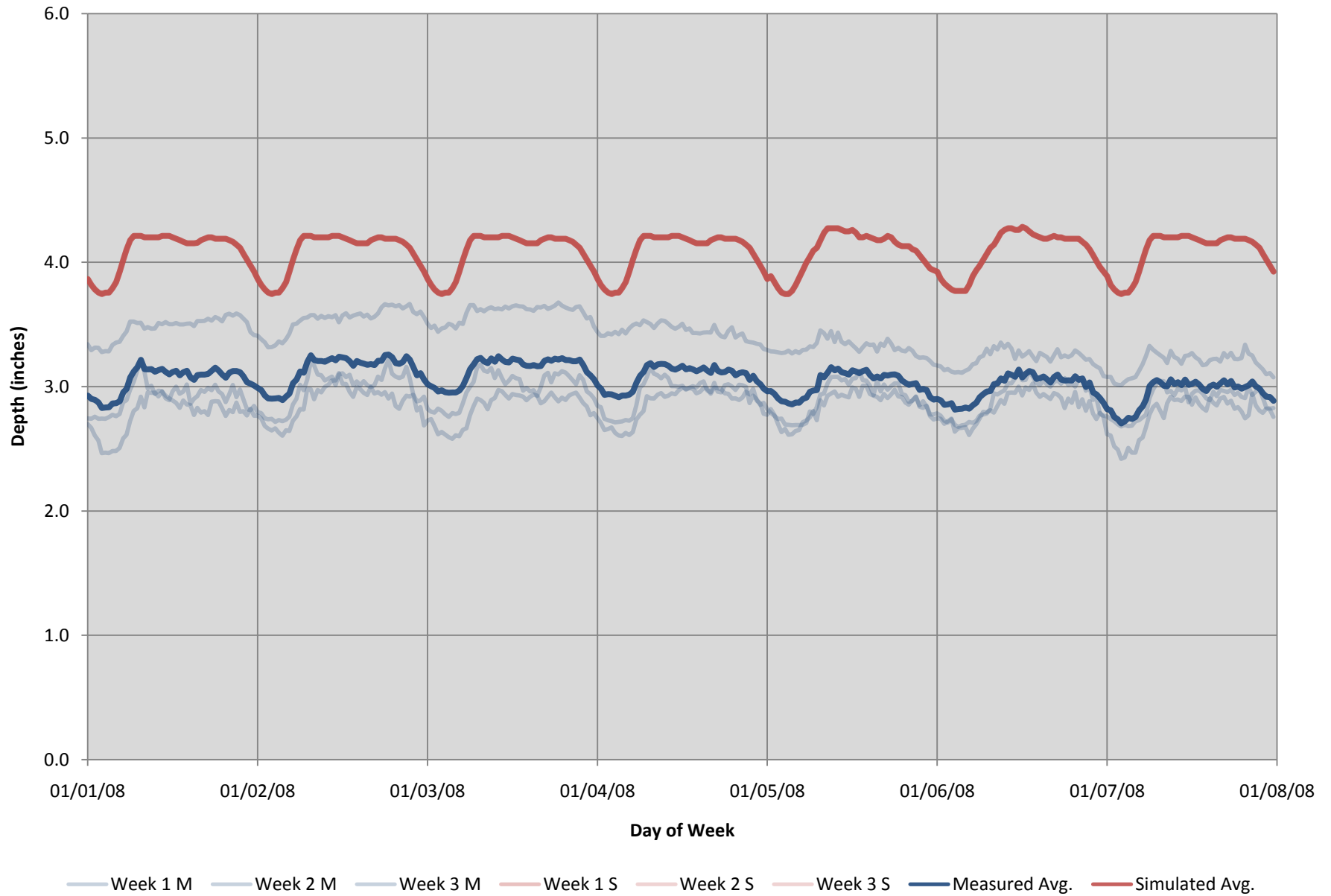
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.58	0.58	0.58	0.58	0.53	0.54	0.59	0.55
Monday	0.56	0.56	0.56	0.56	0.51	0.51	0.58	0.54
Tuesday	0.56	0.56	0.56	0.56	0.52	0.57	0.60	0.56
Wednesday	0.56	0.56	0.56	0.56	0.57	0.57	0.64	0.59
Thursday	0.56	0.56	0.56	0.56	0.53	0.56	0.65	0.58
Friday	0.56	0.56	0.56	0.56	0.54	0.56	0.62	0.57
Saturday	0.58	0.58	0.58	0.58	0.54	0.55	0.61	0.57

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

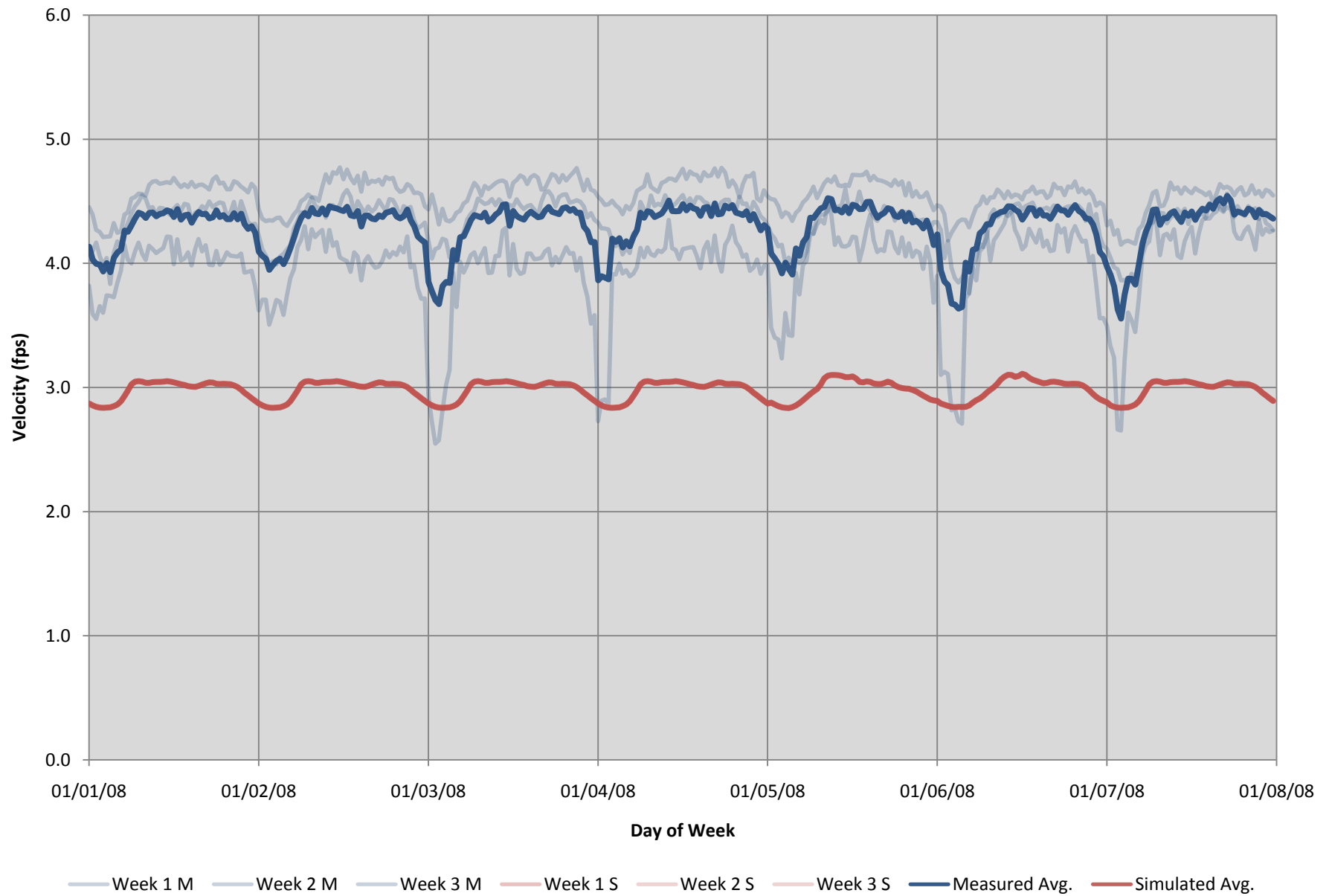
## LL37 DWF Calibration - Flow



## LL37 DWF Calibration - Depth



## LL37 DWF Calibration - Velocity

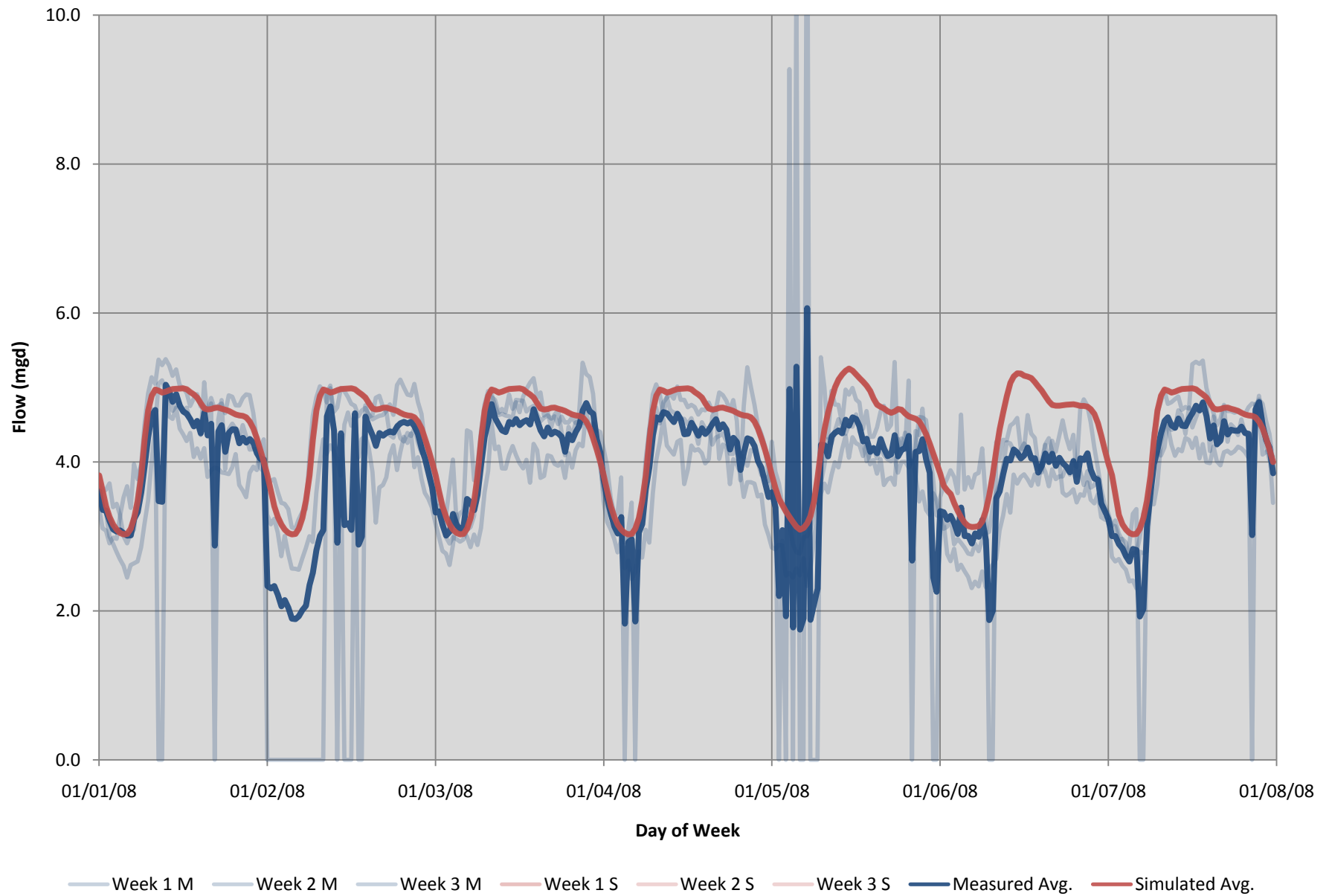


LL38 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	5.05	5.05	5.05	5.05	6.12	4.67	5.10	5.30	-4.6%	20%	-10%
Average Flow	4.34	4.34	4.34	4.34	3.78	3.65	4.16	3.86	12.5%	20%	-10%
Total Volume	30.40	30.40	30.40	30.40	26.45	25.53	29.11	27.03	12.5%	20%	-10%

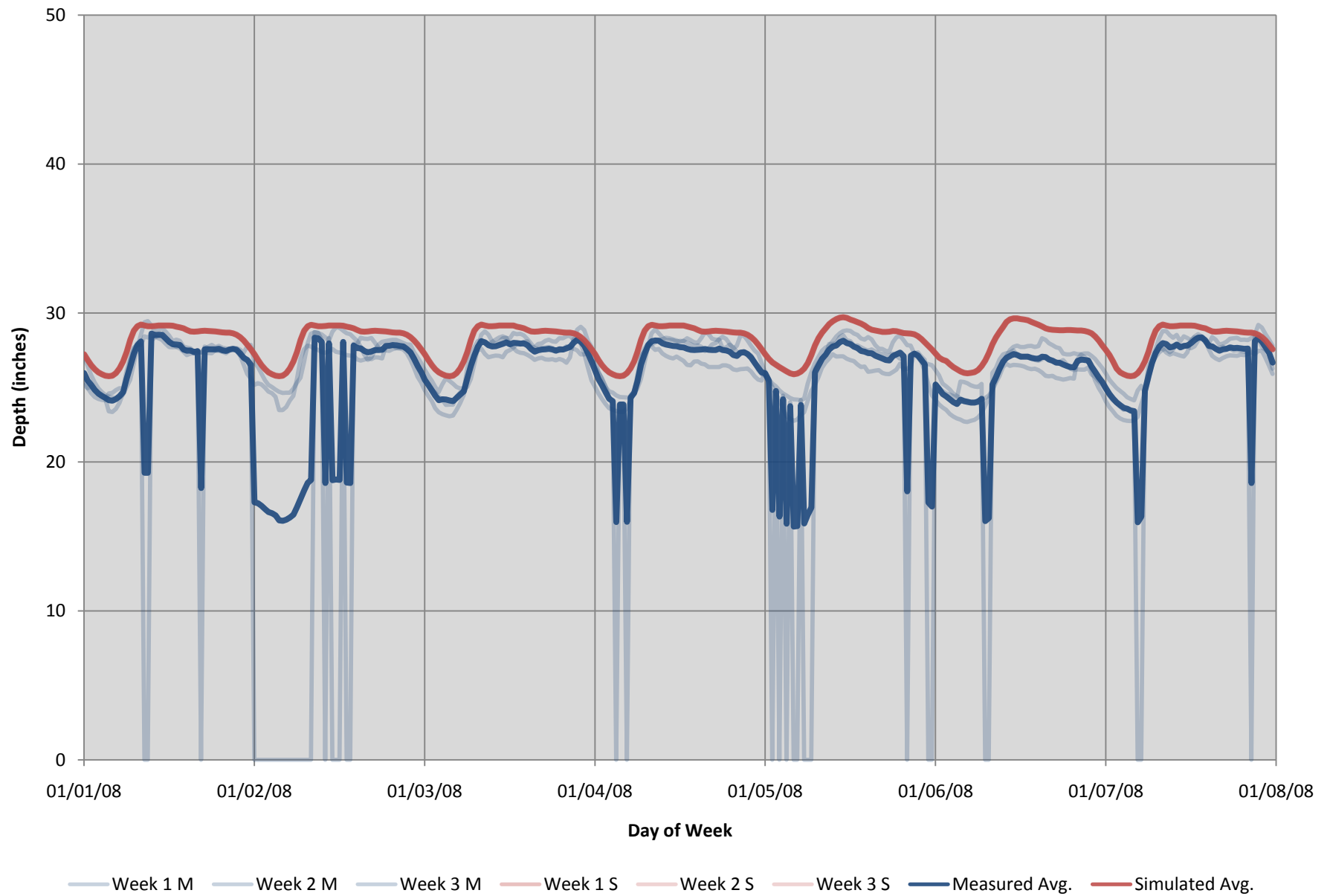
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	5.19	5.19	5.19	5.19	4.64	4.32	4.84	4.60
Monday	4.99	4.99	4.99	4.99	4.85	4.89	5.36	5.03
Tuesday	4.99	4.99	4.99	4.99	5.07	5.10	5.38	5.18
Wednesday	4.99	4.99	4.99	4.99	5.03	4.67	5.11	4.93
Thursday	4.99	4.99	4.99	4.99	5.13	4.68	5.33	5.04
Friday	4.99	4.99	4.99	4.99	5.27	4.68	5.04	5.00
Saturday	5.25	5.25	5.25	5.25	12.86	4.39	4.64	7.30

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL38 DWF Calibration - Flow

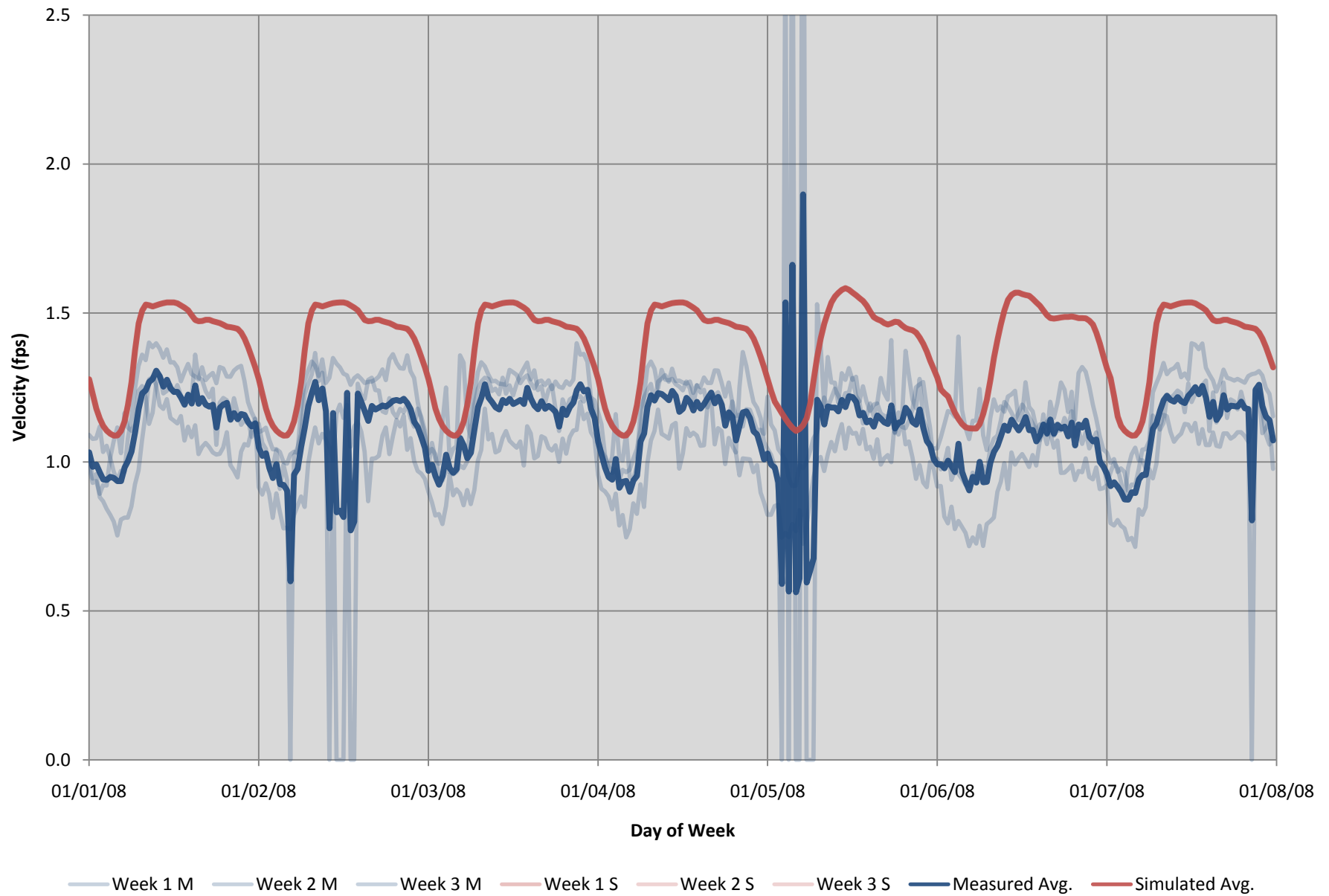


## LL38 DWF Calibration - Depth





## LL38 DWF Calibration - Velocity

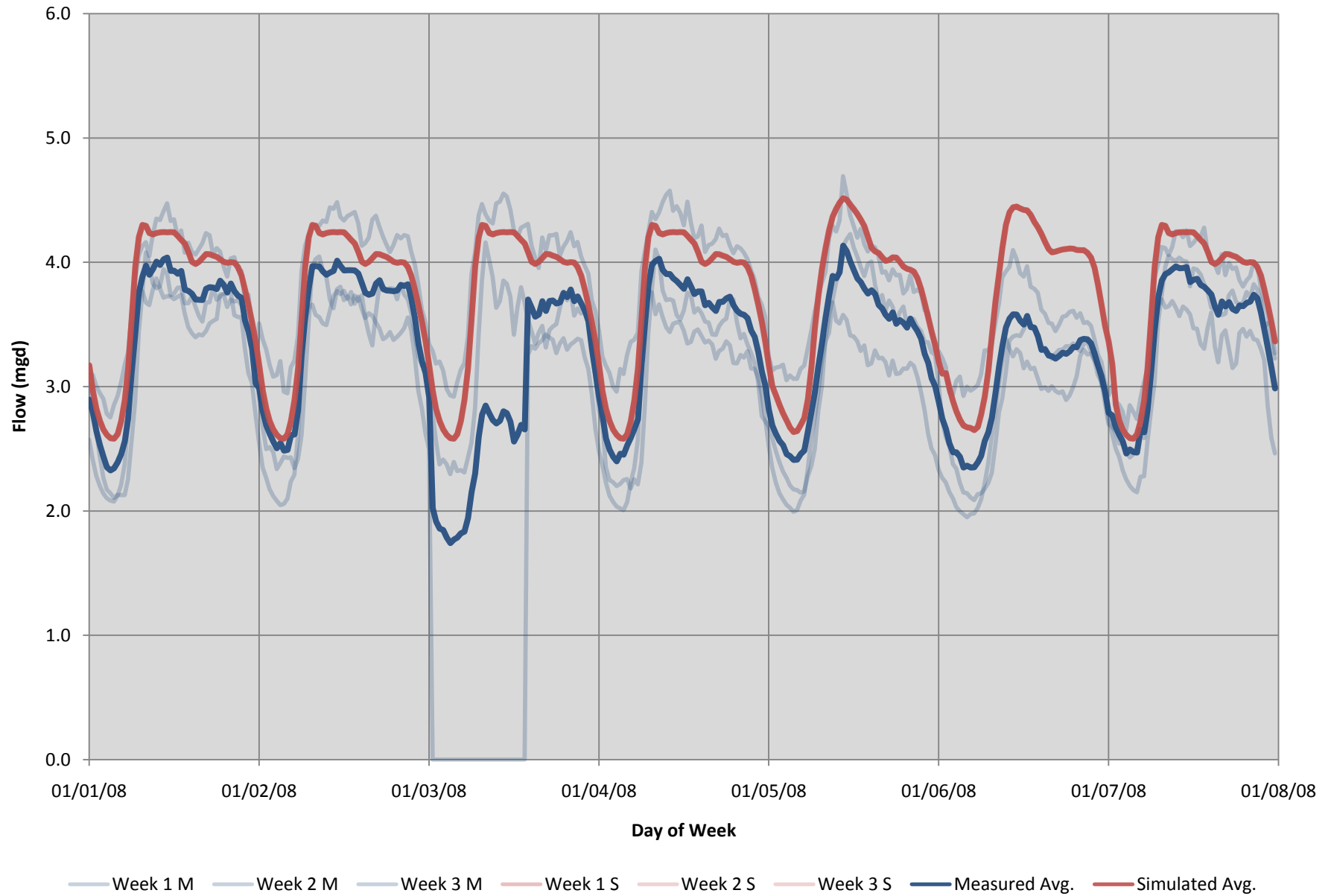


LL38A DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	4.35	4.35	4.35	4.35	4.45	4.03	3.66	4.04	7.6%	20%	-10%
Average Flow	3.72	3.72	3.72	3.72	3.79	3.25	2.82	3.29	13.3%	20%	-10%
Total Volume	26.07	26.07	26.07	26.07	26.51	22.73	19.77	23.00	13.3%	20%	-10%

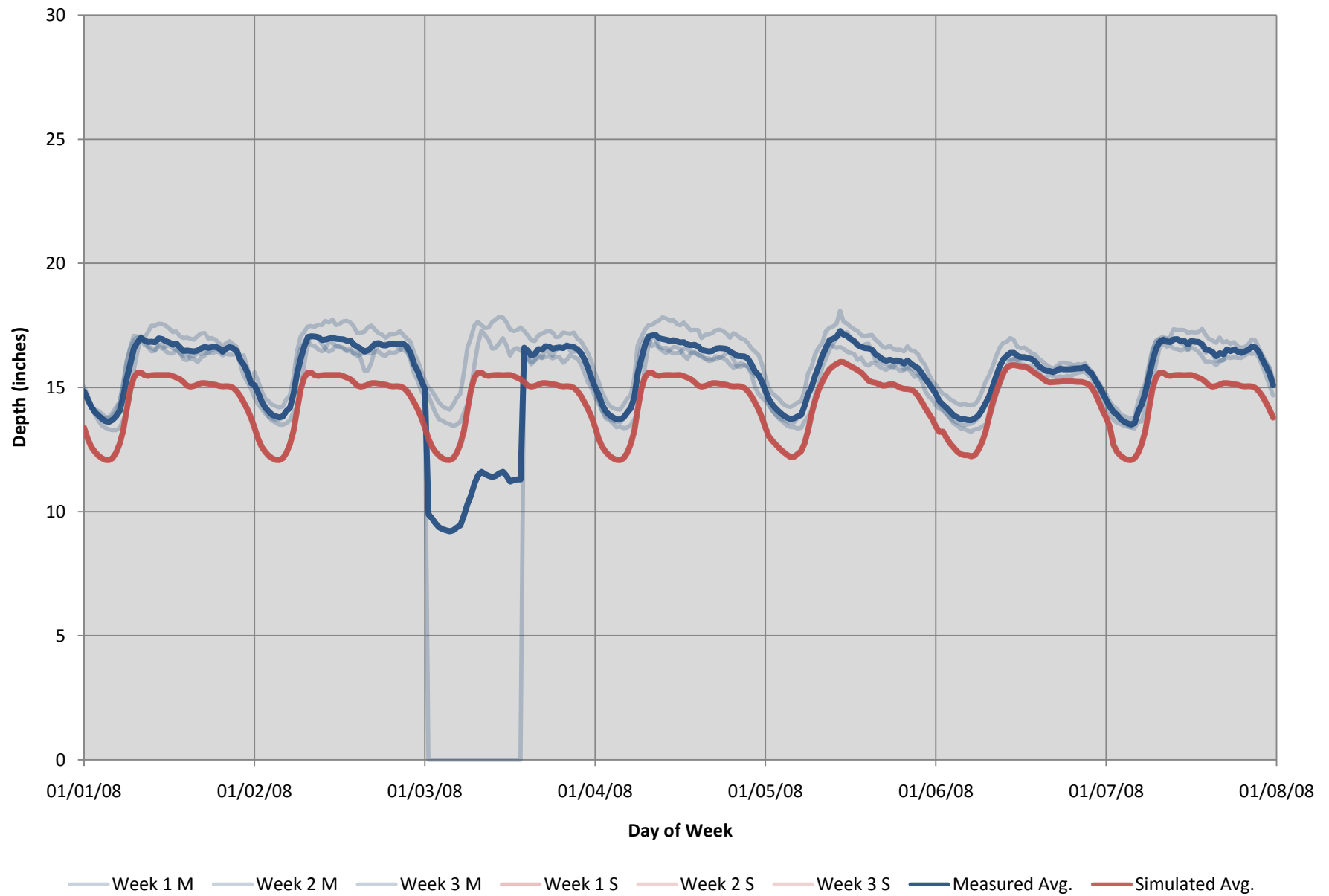
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	4.45	4.45	4.45	4.45	4.10	3.53	3.39	3.67
Monday	4.30	4.30	4.30	4.30	4.28	4.05	3.70	4.01
Tuesday	4.30	4.30	4.30	4.30	4.47	4.08	3.87	4.14
Wednesday	4.30	4.30	4.30	4.30	4.48	4.05	3.77	4.10
Thursday	4.30	4.30	4.30	4.30	4.55	4.16	3.42	4.04
Friday	4.30	4.30	4.30	4.30	4.58	4.10	3.77	4.15
Saturday	4.51	4.51	4.51	4.51	4.69	4.23	3.68	4.20

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

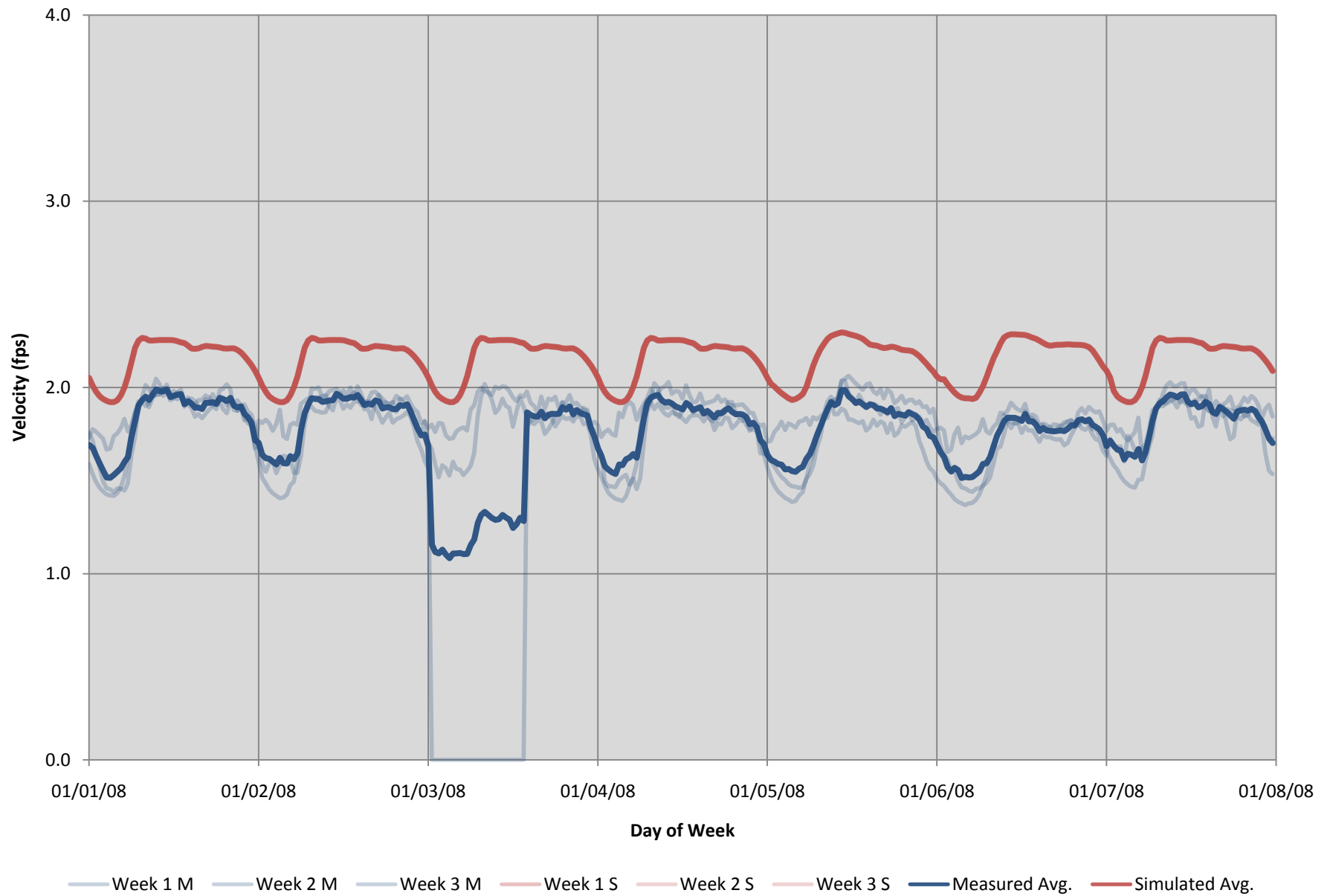
## LL38A DWF Calibration - Flow



## LL38A DWF Calibration - Depth



## LL38A DWF Calibration - Velocity

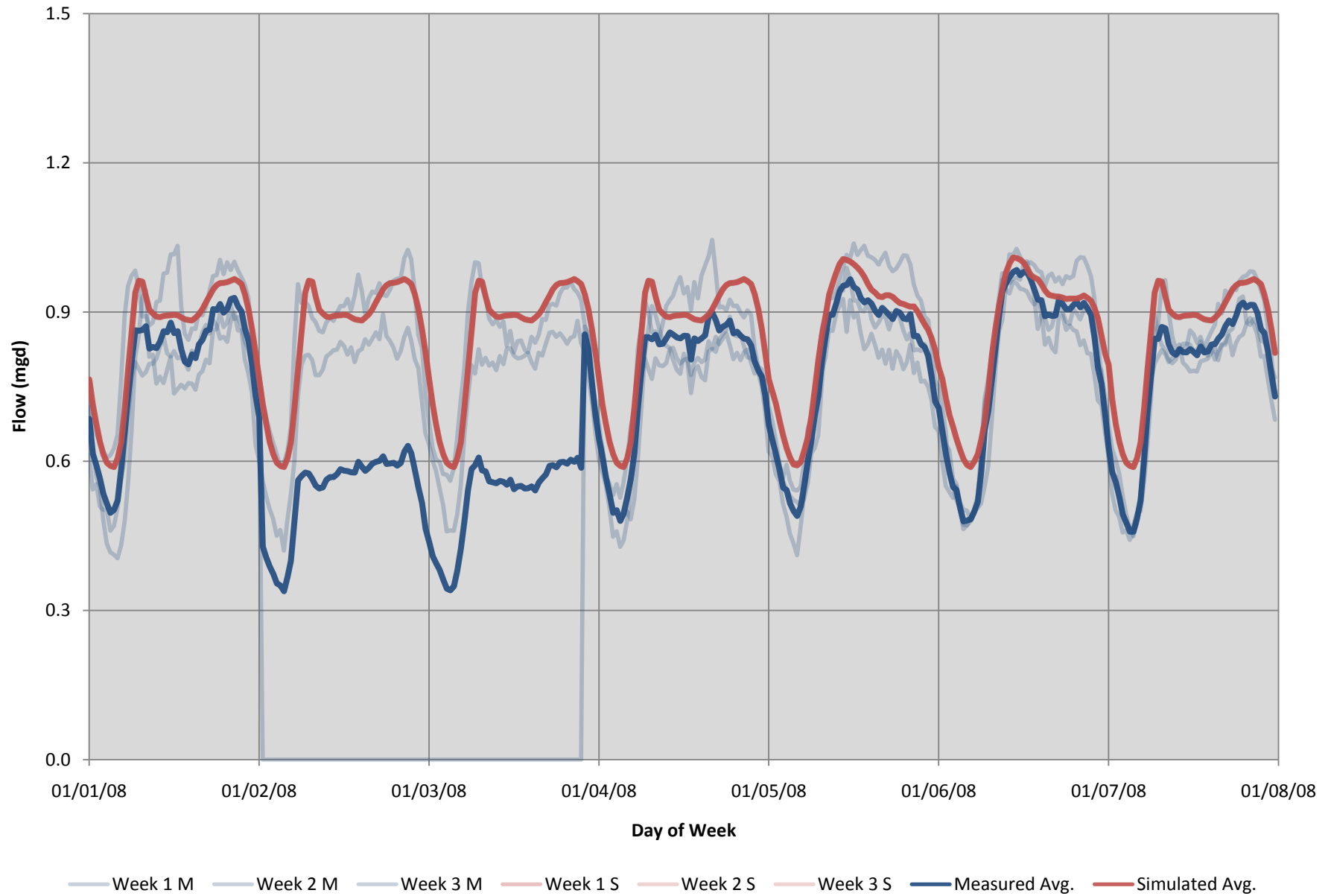


LL39 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.98	0.98	0.98	0.98	0.90	0.91	1.02	0.94	3.6%	20%	-10%
Average Flow	0.85	0.85	0.85	0.85	0.75	0.56	0.84	0.72	18.9%	20%	-10%
Total Volume	5.96	5.96	5.96	5.96	5.24	3.91	5.89	5.01	18.9%	20%	-10%

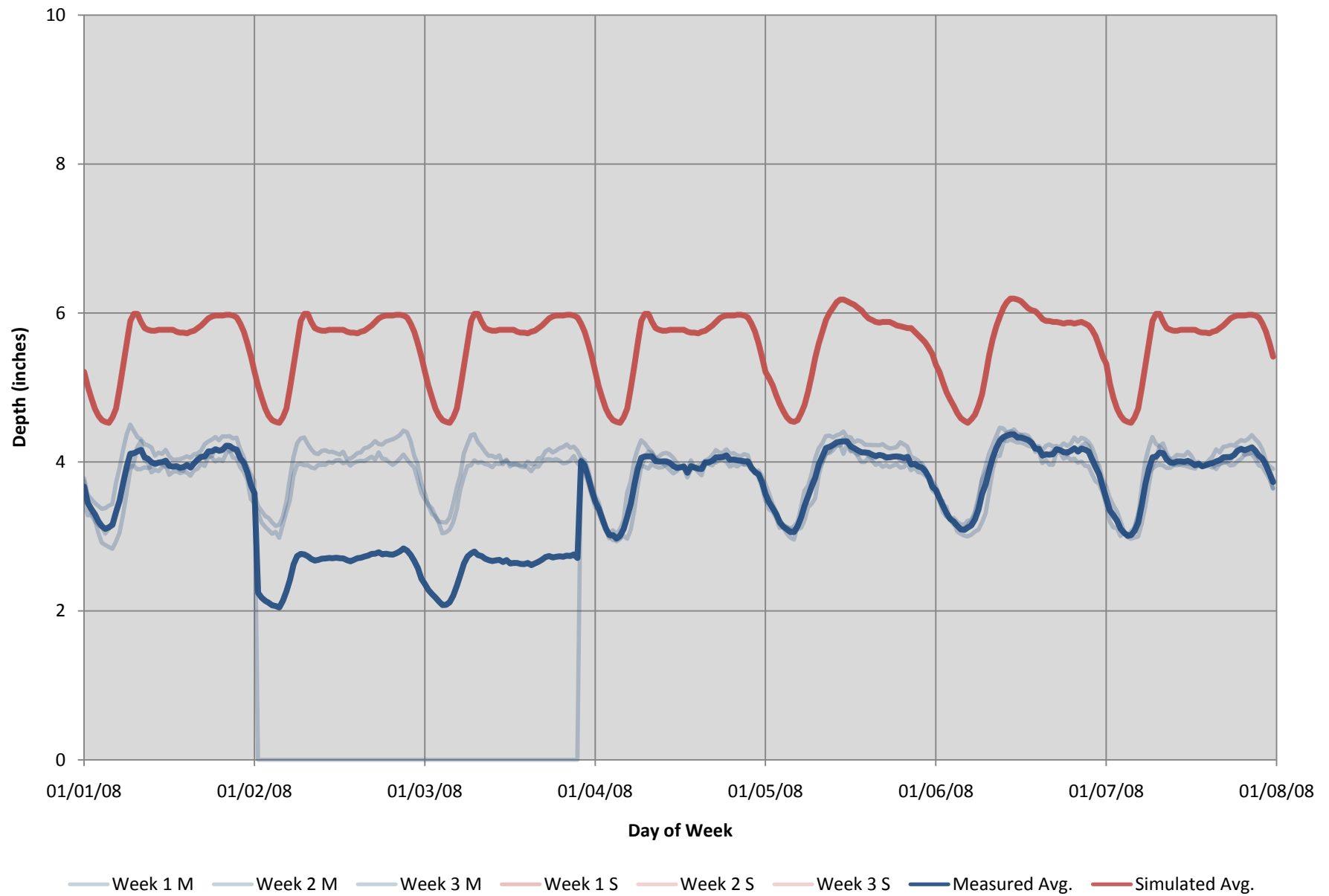
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.01	1.01	1.01	1.01	0.97	1.03	1.01	1.00
Monday	0.97	0.97	0.97	0.97	0.89	0.96	0.98	0.94
Tuesday	0.97	0.97	0.97	0.97	0.90	0.94	1.03	0.96
Wednesday	0.97	0.97	0.97	0.97	0.90	0.69	1.03	0.87
Thursday	0.97	0.97	0.97	0.97	0.88	0.87	1.00	0.92
Friday	0.97	0.97	0.97	0.97	0.86	0.91	1.05	0.94
Saturday	1.01	1.01	1.01	1.01	0.93	0.99	1.04	0.98

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL39 DWF Calibration - Flow

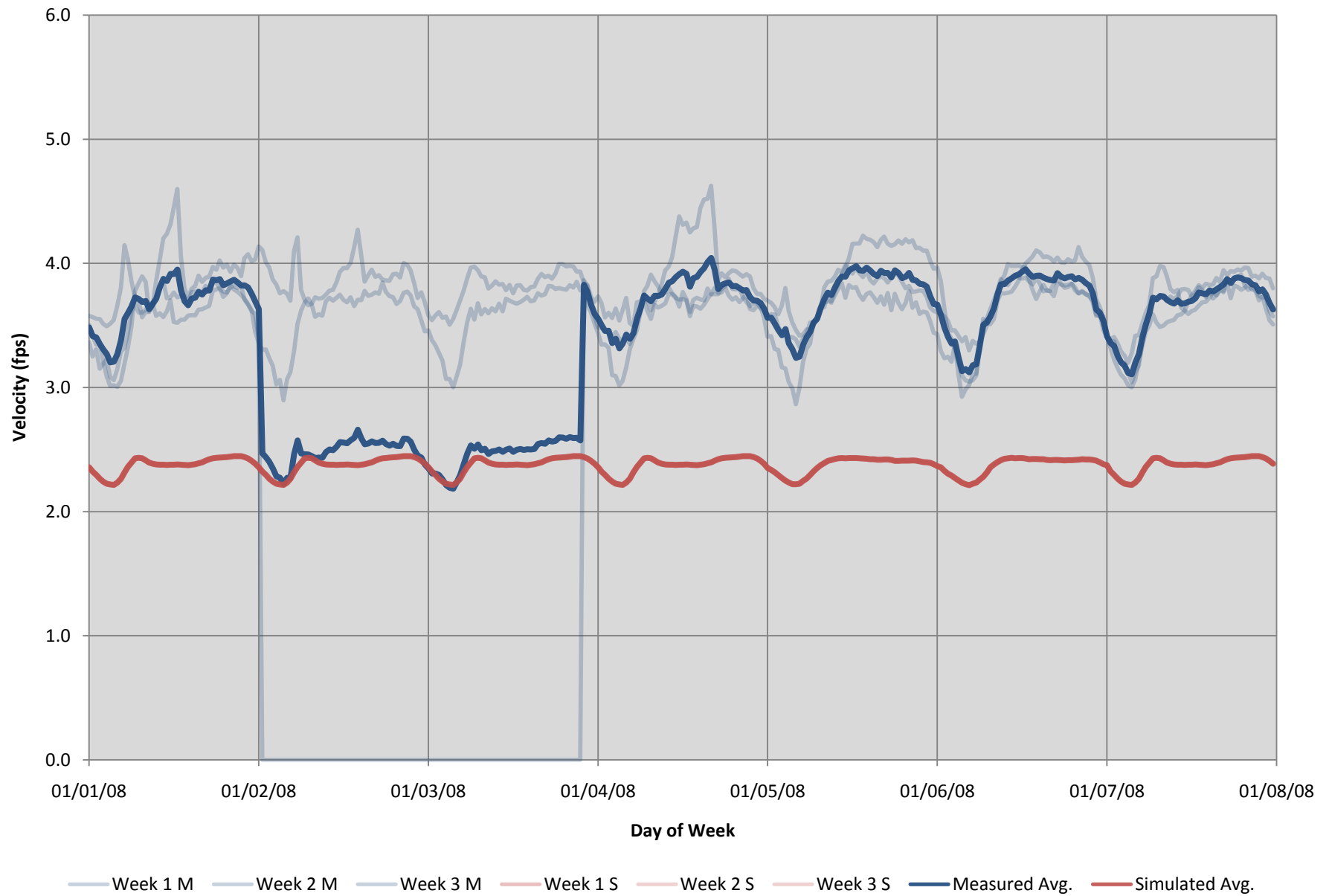


## LL39 DWF Calibration - Depth





## LL39 DWF Calibration - Velocity

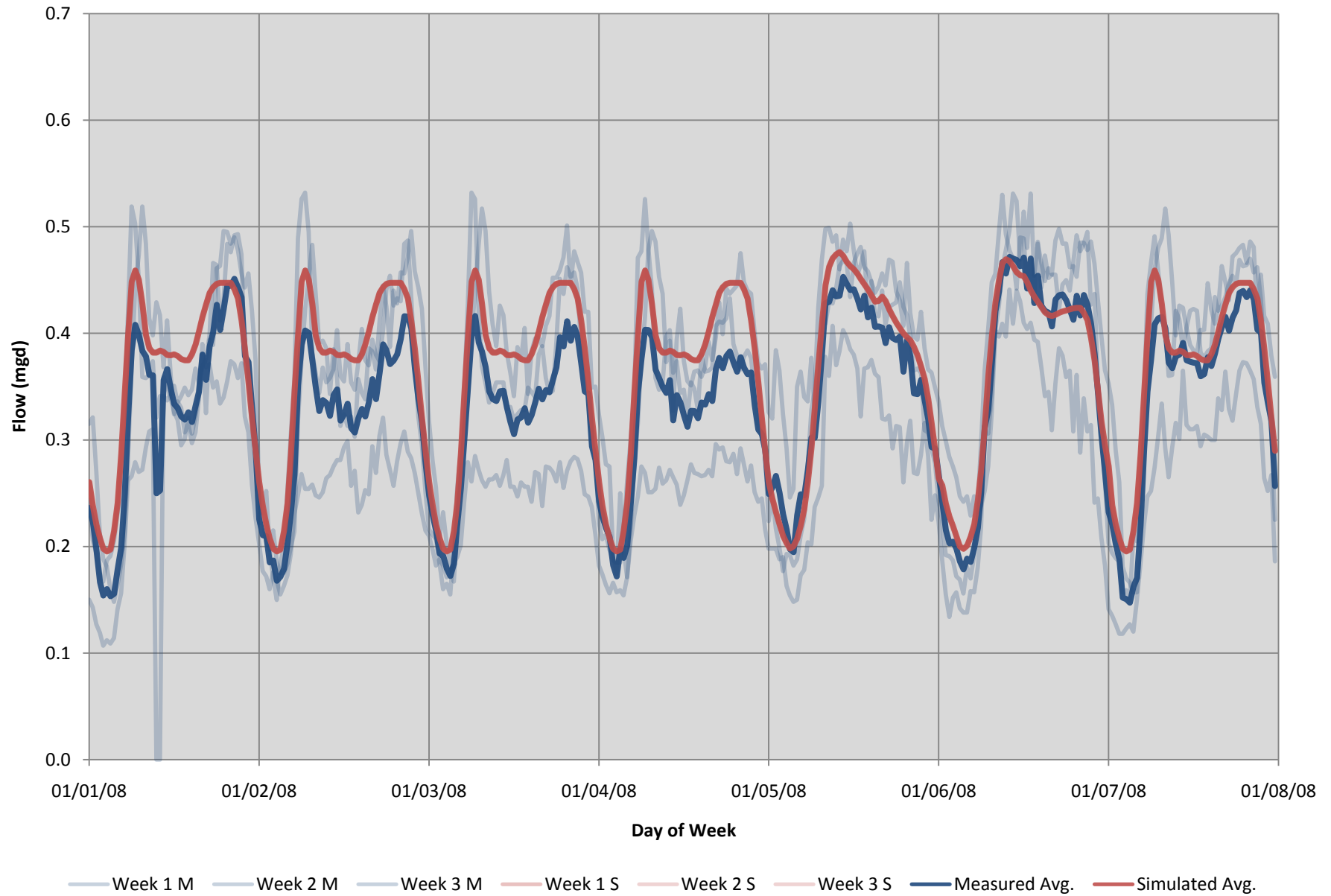


LL40 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.46	0.46	0.46	0.46	0.36	0.51	0.52	0.46	0.3%	20%	-10%
Average Flow	0.36	0.36	0.36	0.36	0.27	0.38	0.36	0.33	9.1%	20%	-10%
Total Volume	2.55	2.55	2.55	2.55	1.86	2.65	2.51	2.34	9.1%	20%	-10%

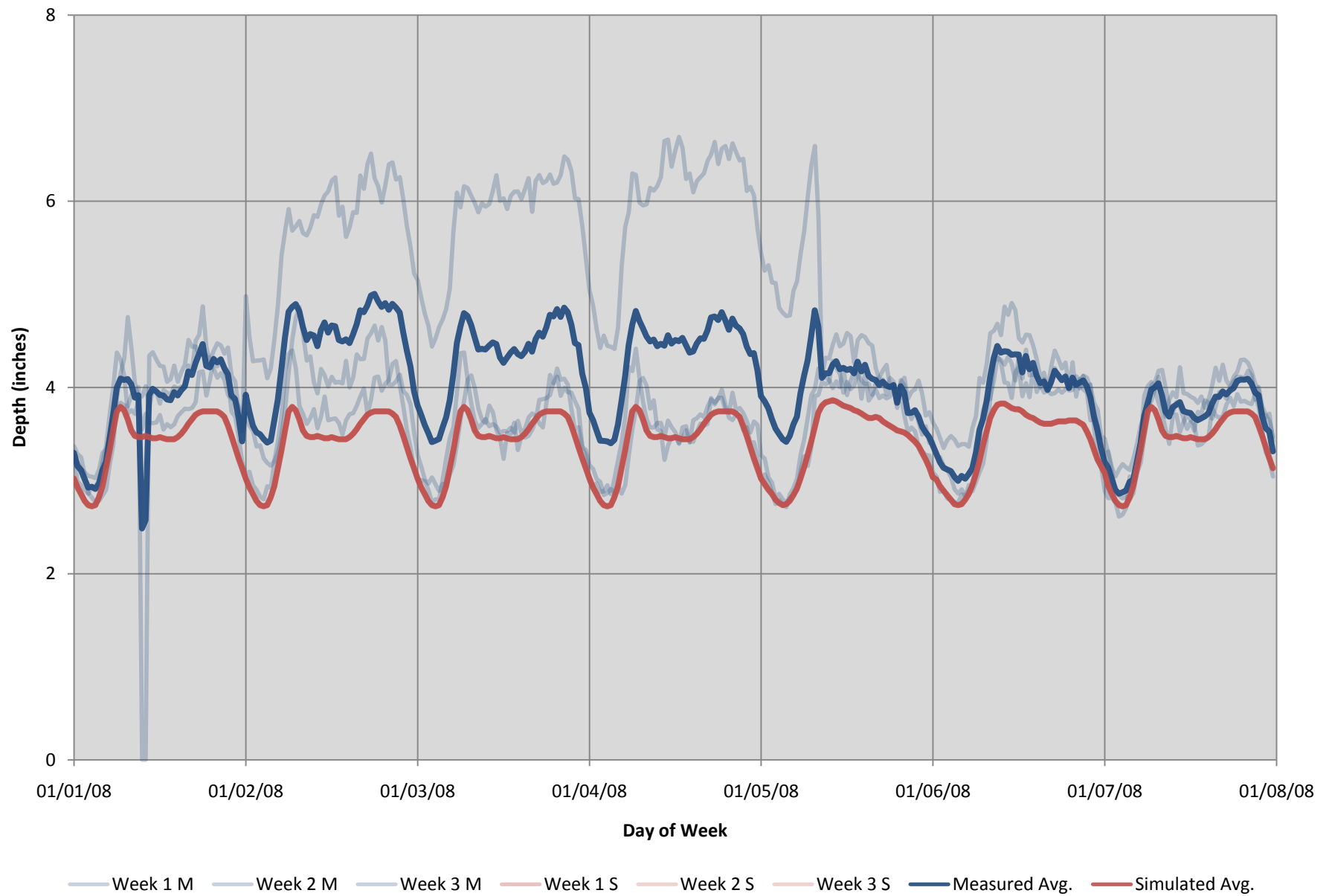
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.47	0.47	0.47	0.47	0.44	0.53	0.53	0.50
Monday	0.46	0.46	0.46	0.46	0.37	0.52	0.49	0.46
Tuesday	0.46	0.46	0.46	0.46	0.38	0.52	0.52	0.47
Wednesday	0.46	0.46	0.46	0.46	0.32	0.50	0.53	0.45
Thursday	0.46	0.46	0.46	0.46	0.29	0.52	0.53	0.44
Friday	0.46	0.46	0.46	0.46	0.30	0.50	0.53	0.44
Saturday	0.48	0.48	0.48	0.48	0.41	0.48	0.50	0.46

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

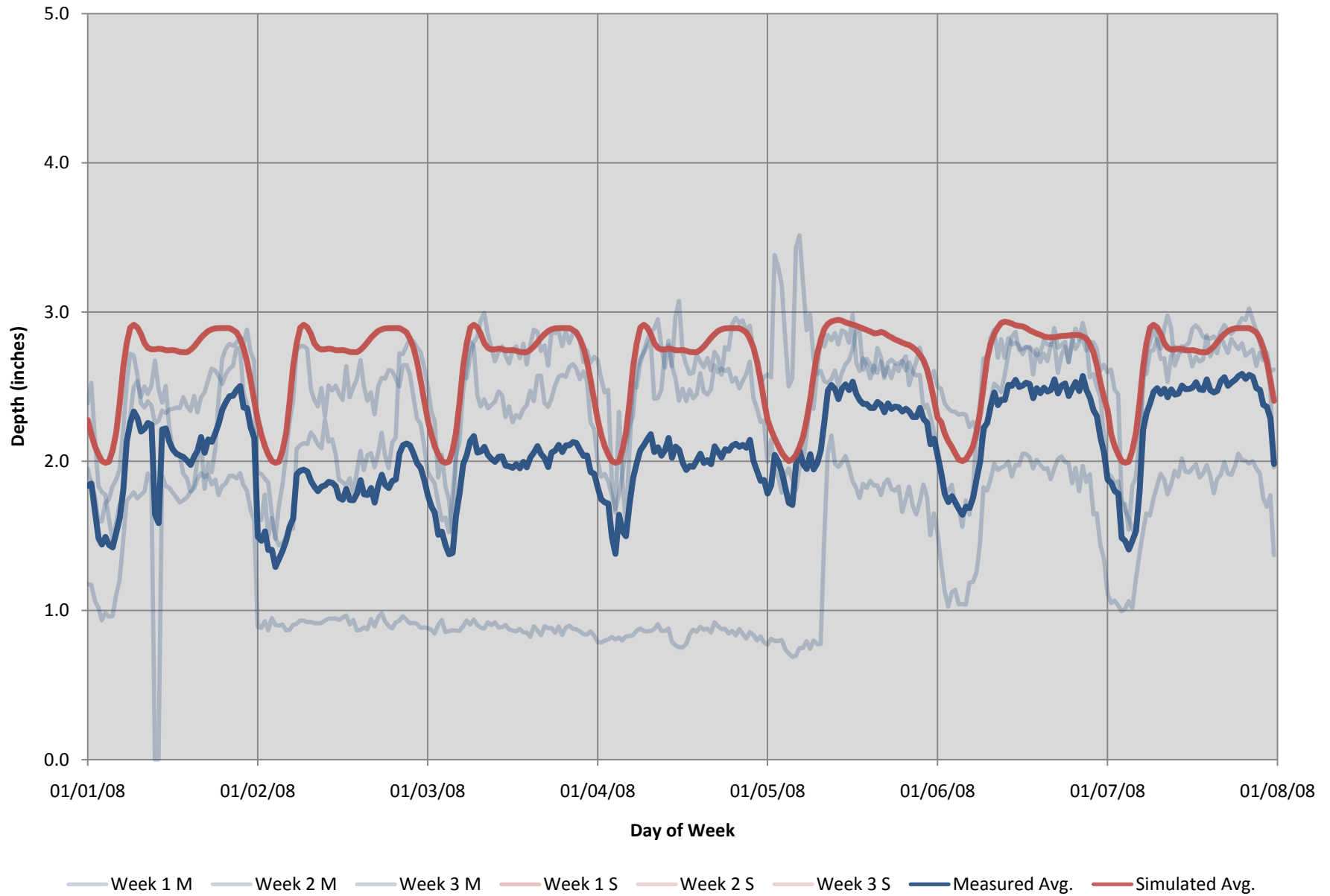
## LL40 DWF Calibration - Flow



## LL40 DWF Calibration - Depth



## LL40 DWF Calibration - Velocity

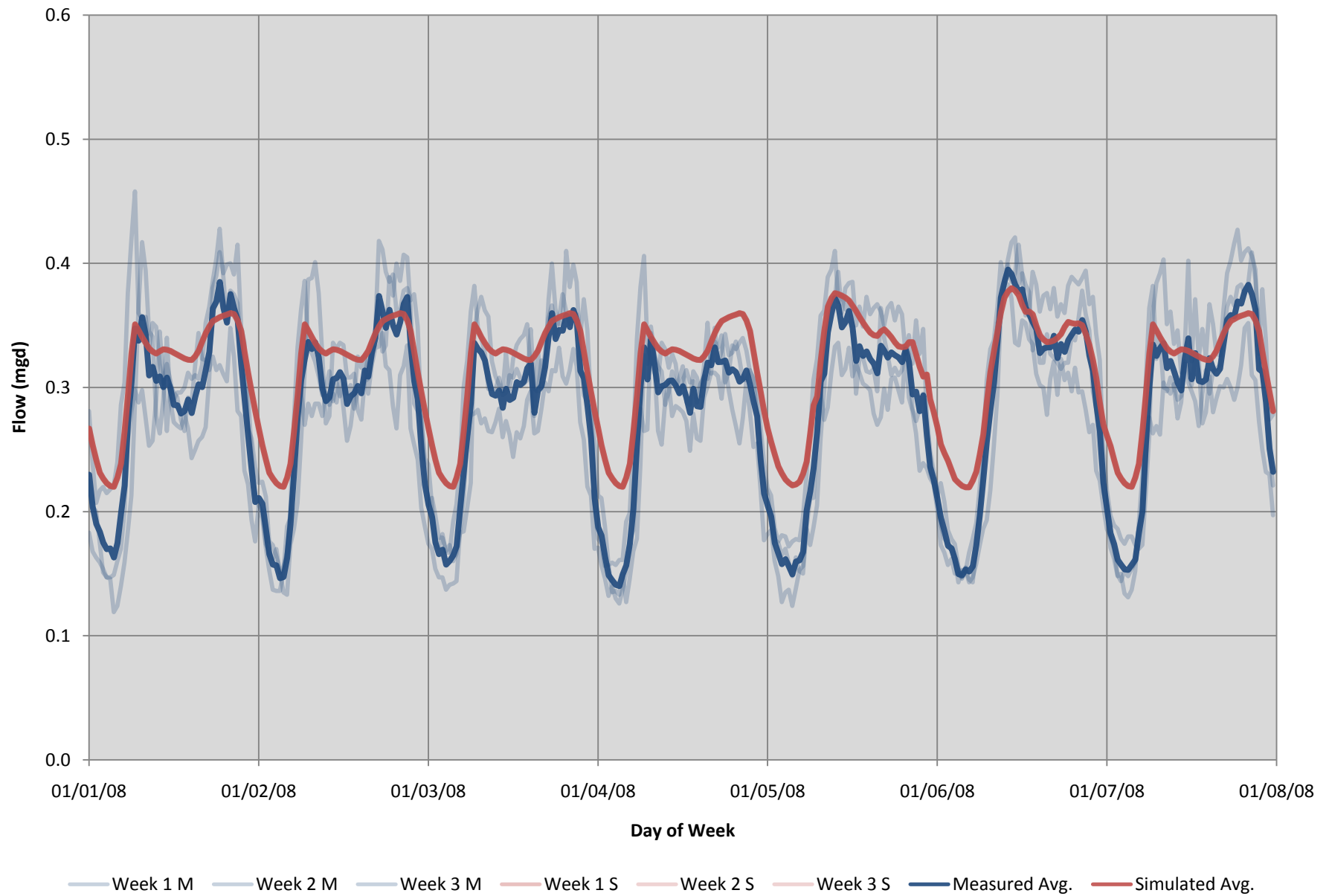


LL41 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.37	0.37	0.37	0.37	0.35	0.40	0.42	0.39	-6.0%	20%	-10%
Average Flow	0.31	0.31	0.31	0.31	0.26	0.29	0.30	0.28	10.5%	20%	-10%
Total Volume	2.18	2.18	2.18	2.18	1.80	2.05	2.07	1.98	10.5%	20%	-10%

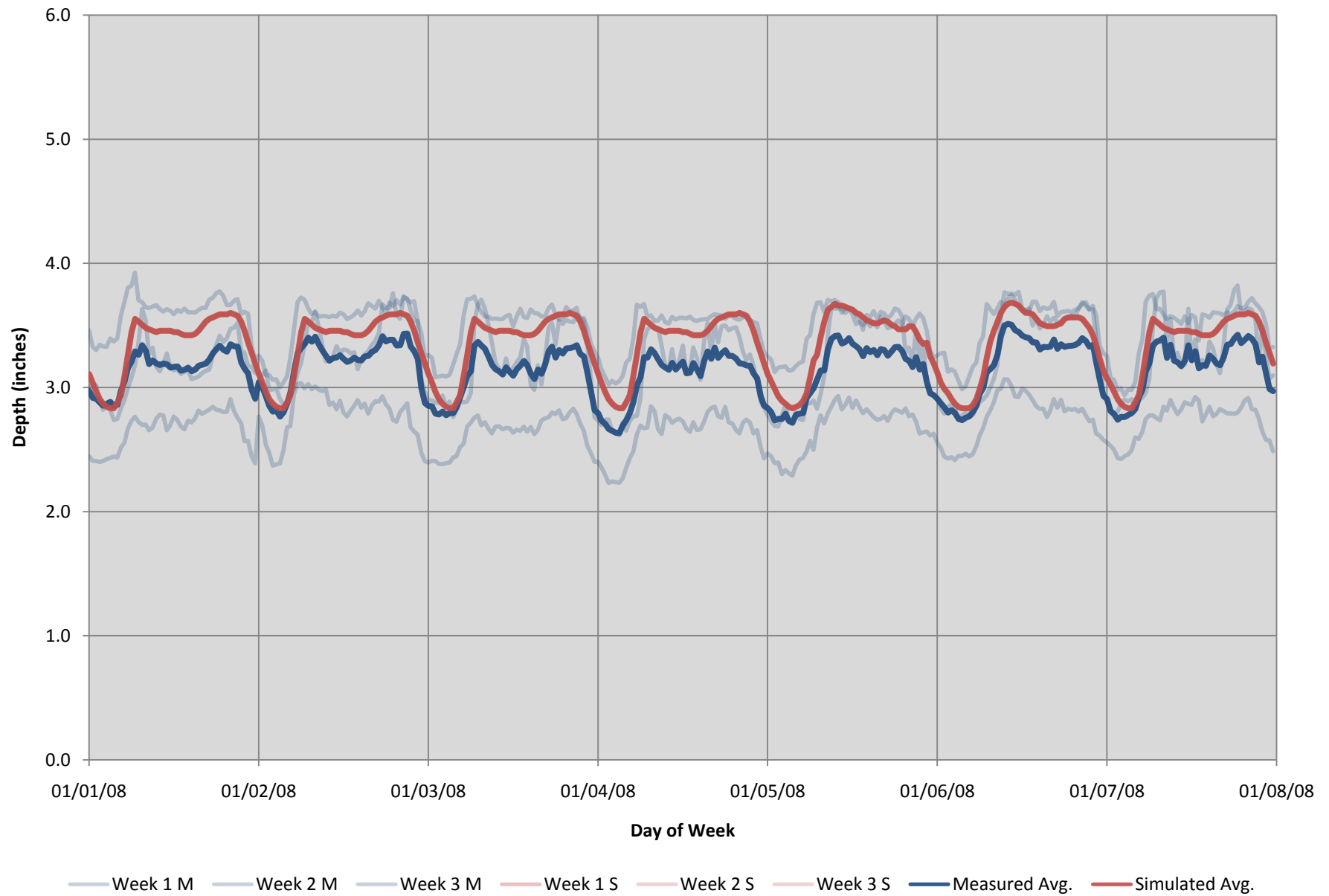
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.38	0.38	0.38	0.38	0.38	0.42	0.42	0.41
Monday	0.36	0.36	0.36	0.36	0.35	0.43	0.41	0.40
Tuesday	0.36	0.36	0.36	0.36	0.35	0.42	0.46	0.41
Wednesday	0.36	0.36	0.36	0.36	0.34	0.42	0.41	0.39
Thursday	0.36	0.36	0.36	0.36	0.33	0.38	0.41	0.37
Friday	0.36	0.36	0.36	0.36	0.34	0.35	0.41	0.37
Saturday	0.38	0.38	0.38	0.38	0.34	0.39	0.41	0.38

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL41 DWF Calibration - Flow

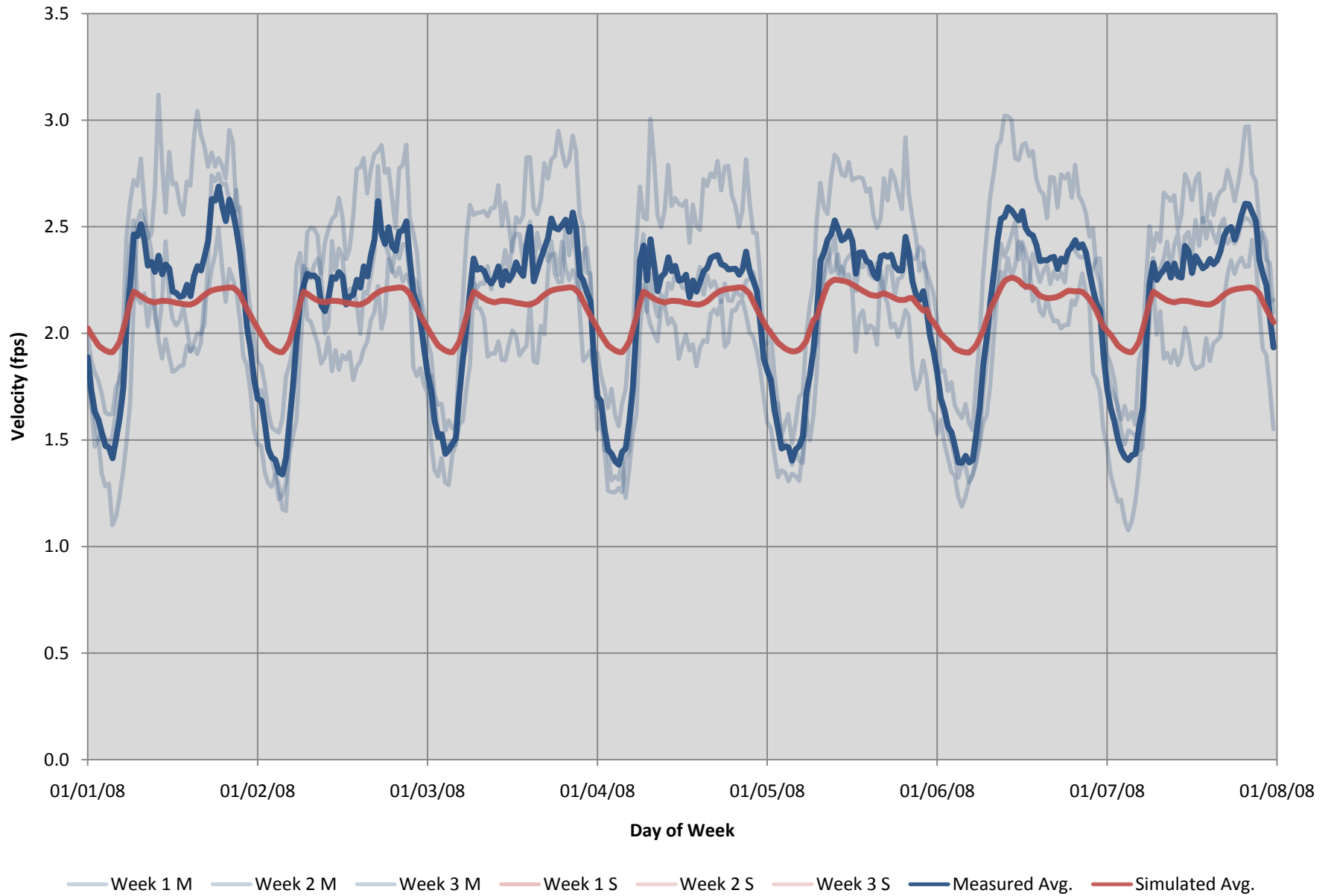


## LL41 DWF Calibration - Depth





## LL41 DWF Calibration - Velocity

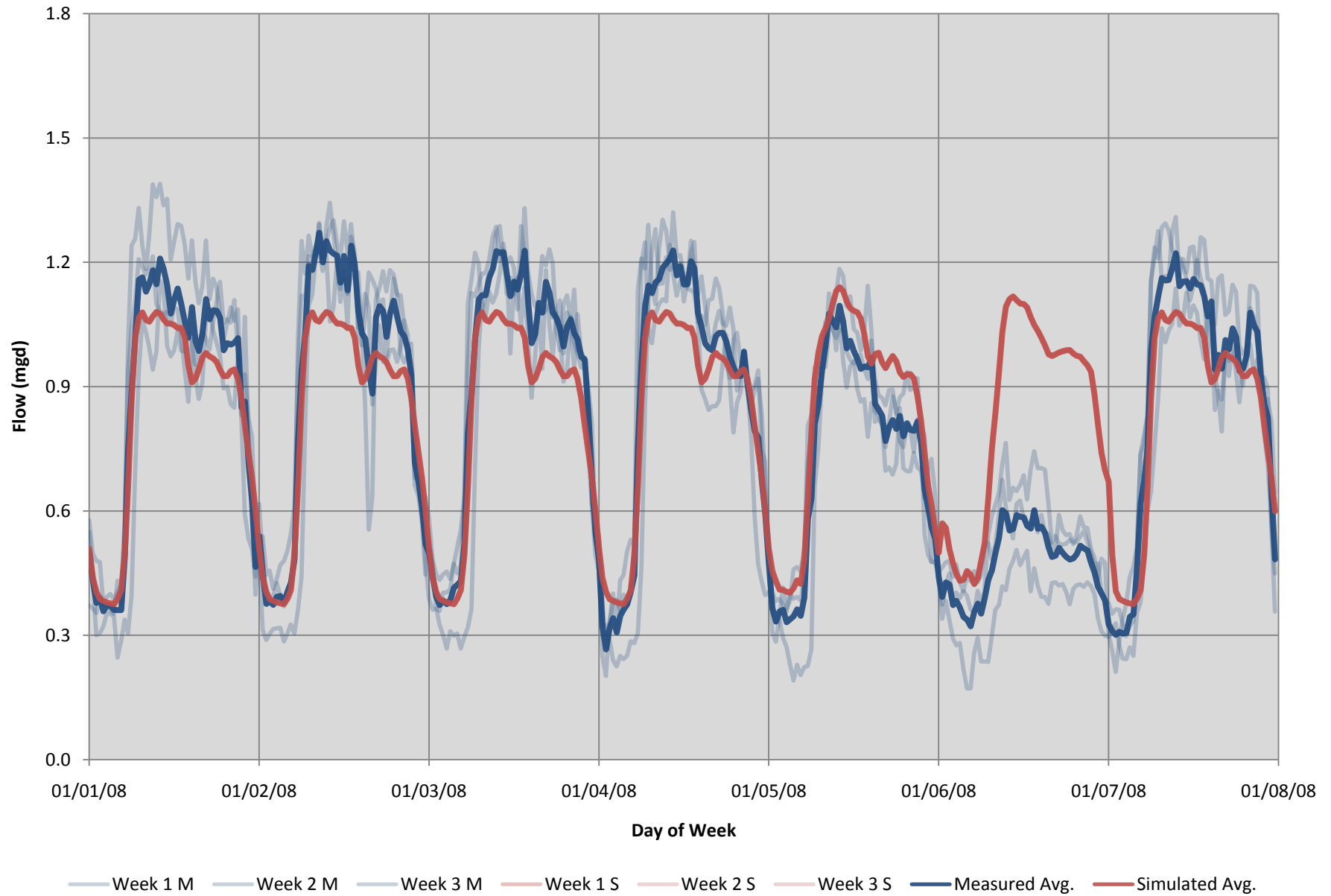


LL42 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.09	1.09	1.09	1.09	1.21	1.11	1.17	1.16	-5.9%	20%	-10%
Average Flow	0.83	0.83	0.83	0.83	0.86	0.74	0.82	0.81	2.7%	20%	-10%
Total Volume	5.80	5.80	5.80	5.80	6.05	5.17	5.73	5.65	2.7%	20%	-10%

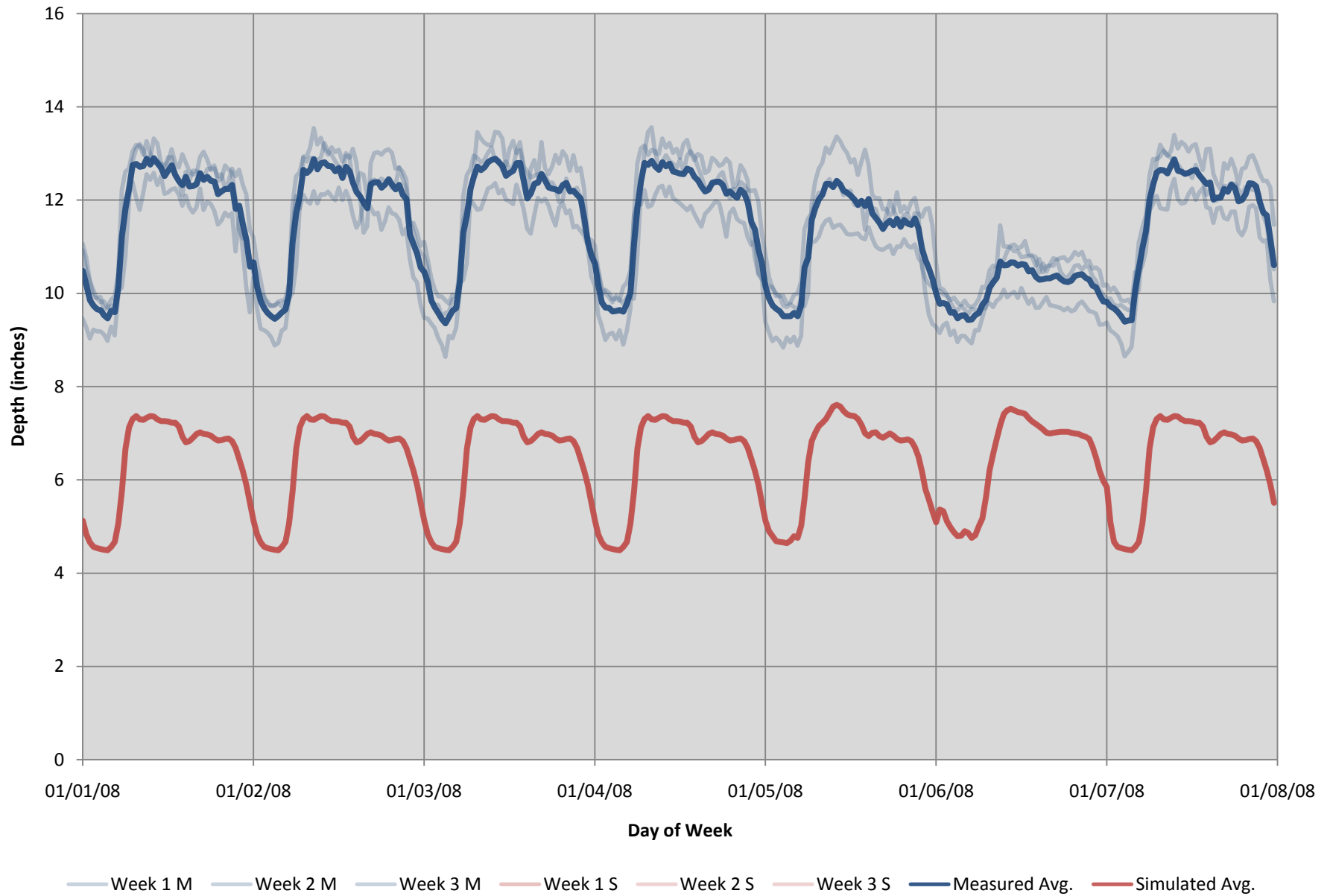
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.12	1.12	1.12	1.12	0.76	0.51	0.68	0.65
Monday	1.08	1.08	1.08	1.08	1.31	1.14	1.29	1.25
Tuesday	1.08	1.08	1.08	1.08	1.39	1.16	1.21	1.25
Wednesday	1.08	1.08	1.08	1.08	1.30	1.30	1.34	1.31
Thursday	1.08	1.08	1.08	1.08	1.29	1.25	1.33	1.29
Friday	1.08	1.08	1.08	1.08	1.32	1.28	1.25	1.28
Saturday	1.14	1.14	1.14	1.14	1.07	1.18	1.07	1.11

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

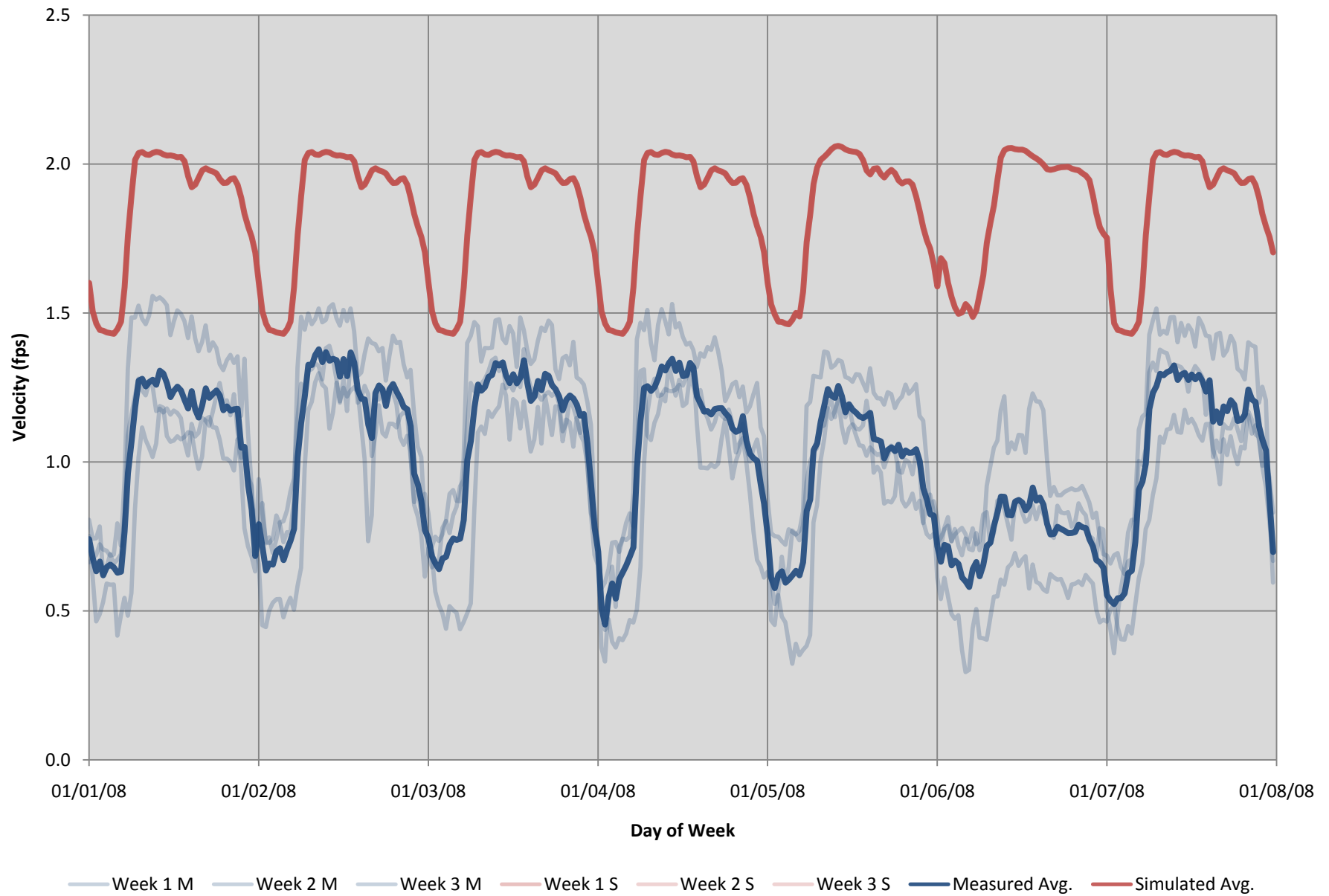
## LL42 DWF Calibration - Flow



## LL42 DWF Calibration - Depth



## LL42 DWF Calibration - Velocity

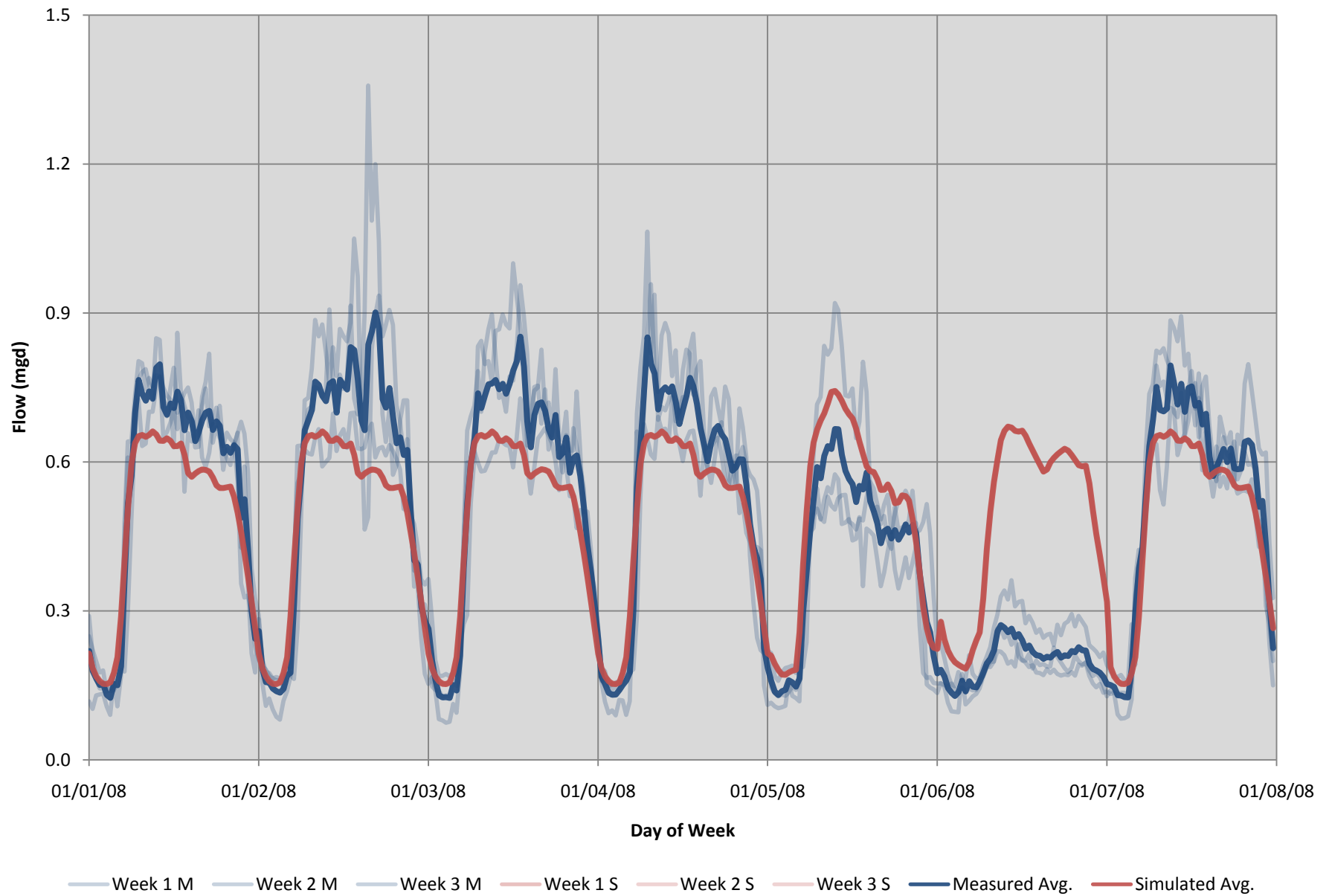


LL43 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.67	0.67	0.67	0.67	0.66	0.86	0.84	0.78	-14.0%	20%	-10%
Average Flow	0.48	0.48	0.48	0.48	0.43	0.52	0.48	0.48	1.6%	20%	-10%
Total Volume	3.39	3.39	3.39	3.39	3.03	3.63	3.35	3.34	1.6%	20%	-10%

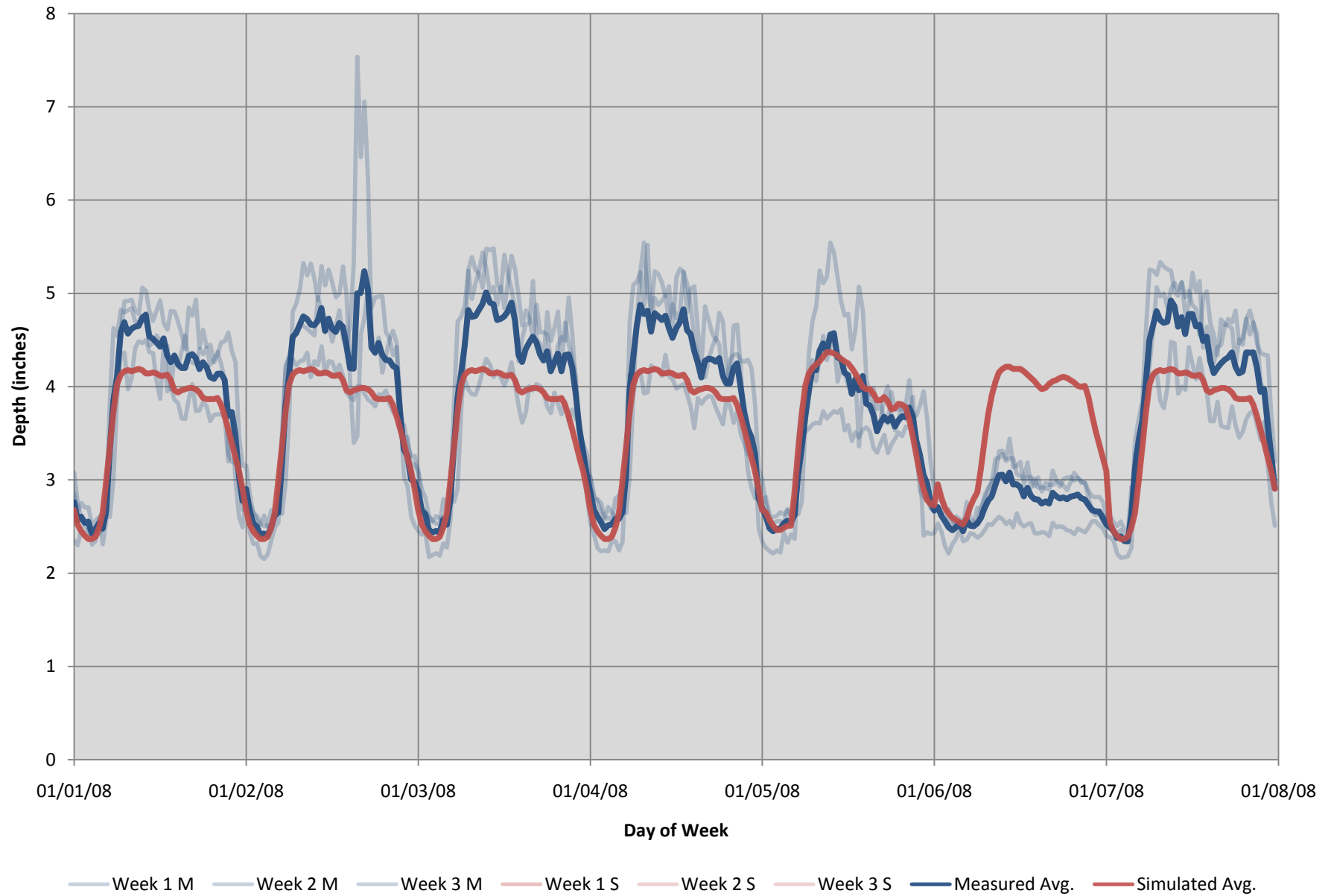
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.67	0.67	0.67	0.67	0.23	0.36	0.27	0.29
Monday	0.66	0.66	0.66	0.66	0.78	0.89	0.83	0.84
Tuesday	0.66	0.66	0.66	0.66	0.86	0.85	0.80	0.84
Wednesday	0.66	0.66	0.66	0.66	0.70	1.05	1.36	1.04
Thursday	0.66	0.66	0.66	0.66	0.73	1.00	0.96	0.89
Friday	0.66	0.66	0.66	0.66	0.73	0.96	1.06	0.92
Saturday	0.74	0.74	0.74	0.74	0.56	0.92	0.58	0.69

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL43 DWF Calibration - Flow

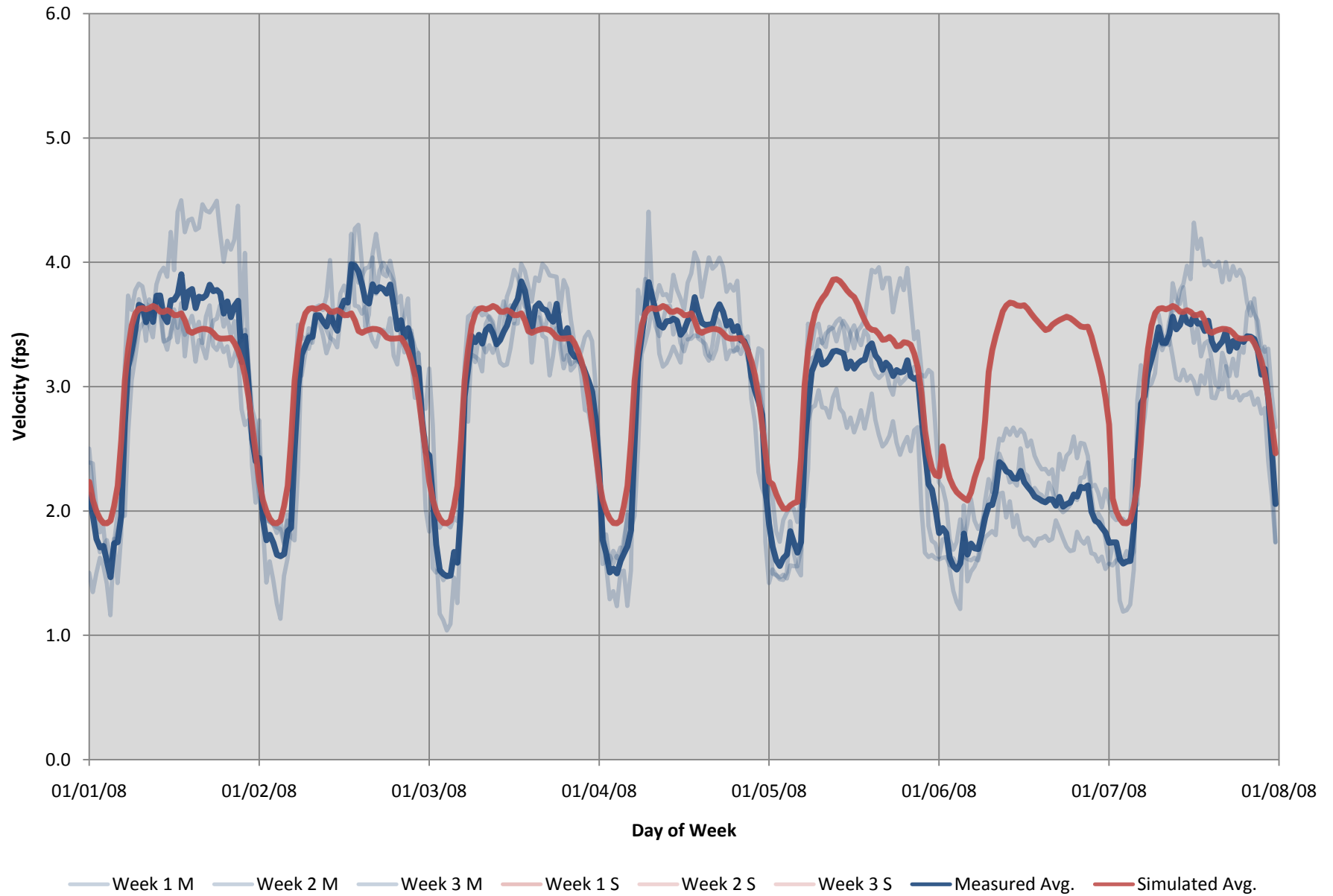


## LL43 DWF Calibration - Depth





## LL43 DWF Calibration - Velocity

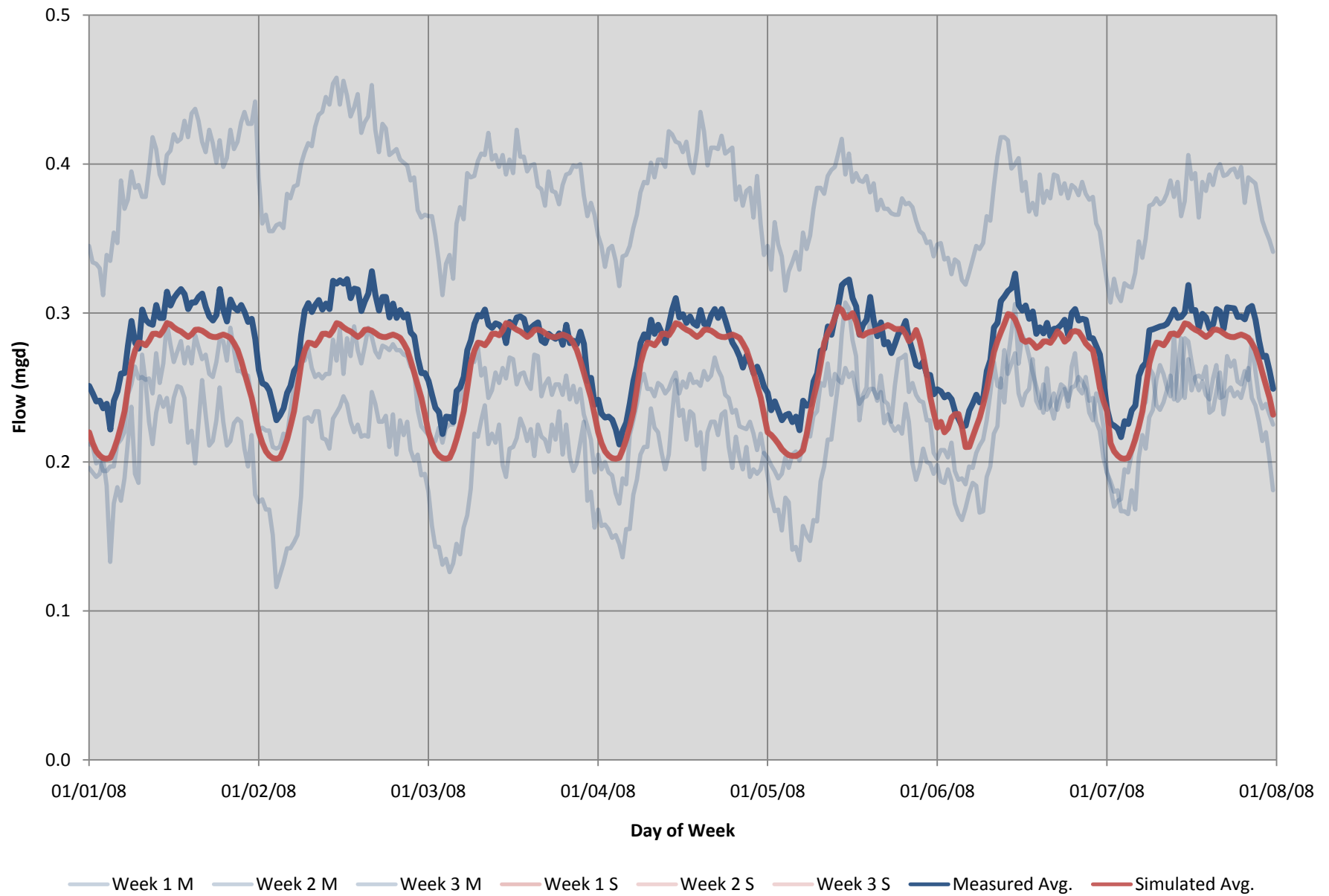


LL45 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.30	0.30	0.30	0.30	0.43	0.27	0.28	0.33	-9.7%	20%	-10%
Average Flow	0.26	0.26	0.26	0.26	0.38	0.21	0.24	0.28	-5.5%	20%	-10%
Total Volume	1.84	1.84	1.84	1.84	2.67	1.49	1.69	1.95	-5.5%	20%	-10%

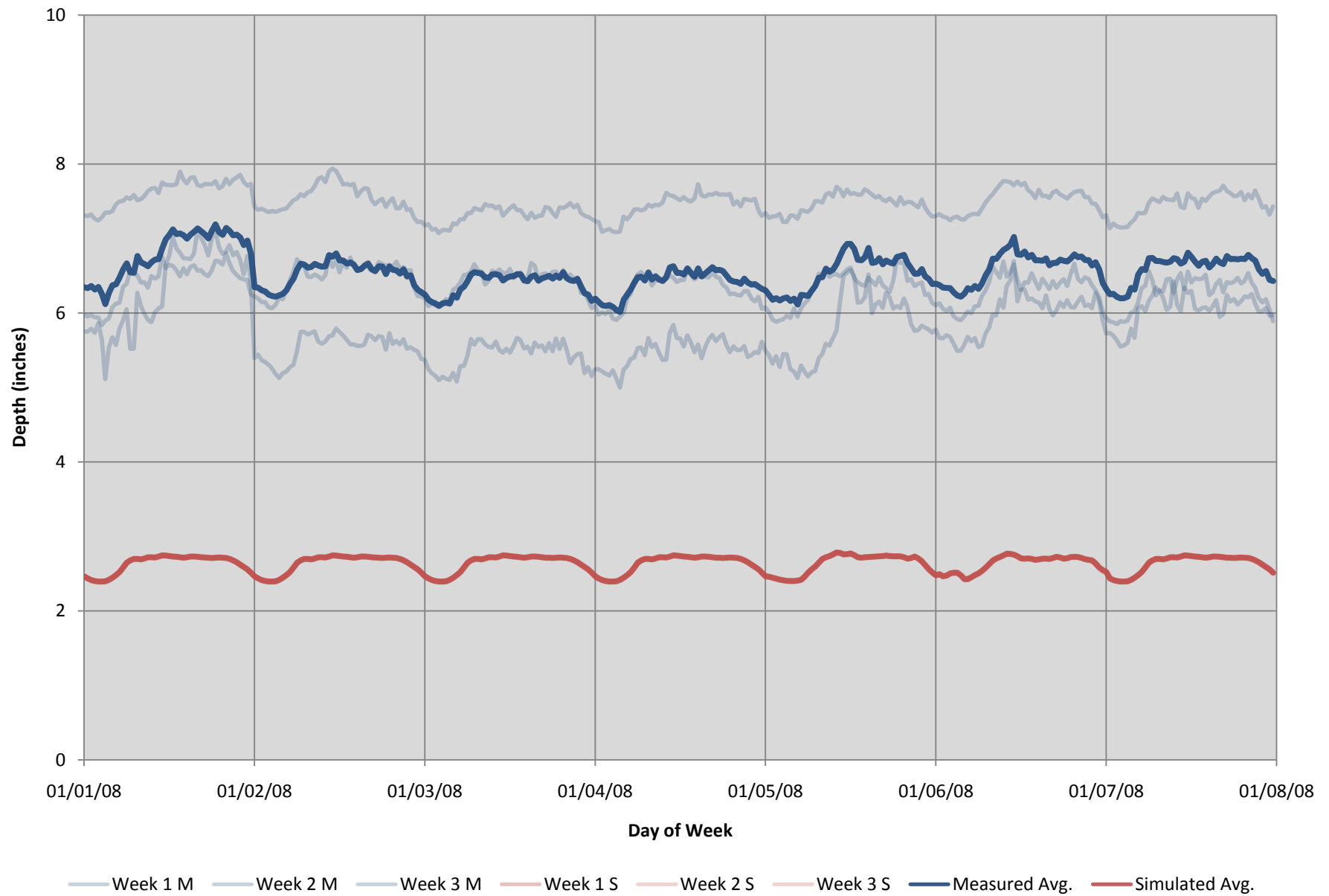
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.30	0.30	0.30	0.30	0.42	0.31	0.28	0.33
Monday	0.29	0.29	0.29	0.29	0.41	0.29	0.28	0.33
Tuesday	0.29	0.29	0.29	0.29	0.44	0.27	0.29	0.34
Wednesday	0.29	0.29	0.29	0.29	0.46	0.25	0.29	0.33
Thursday	0.29	0.29	0.29	0.29	0.42	0.24	0.28	0.31
Friday	0.29	0.29	0.29	0.29	0.44	0.26	0.27	0.32
Saturday	0.30	0.30	0.30	0.30	0.42	0.31	0.27	0.33

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

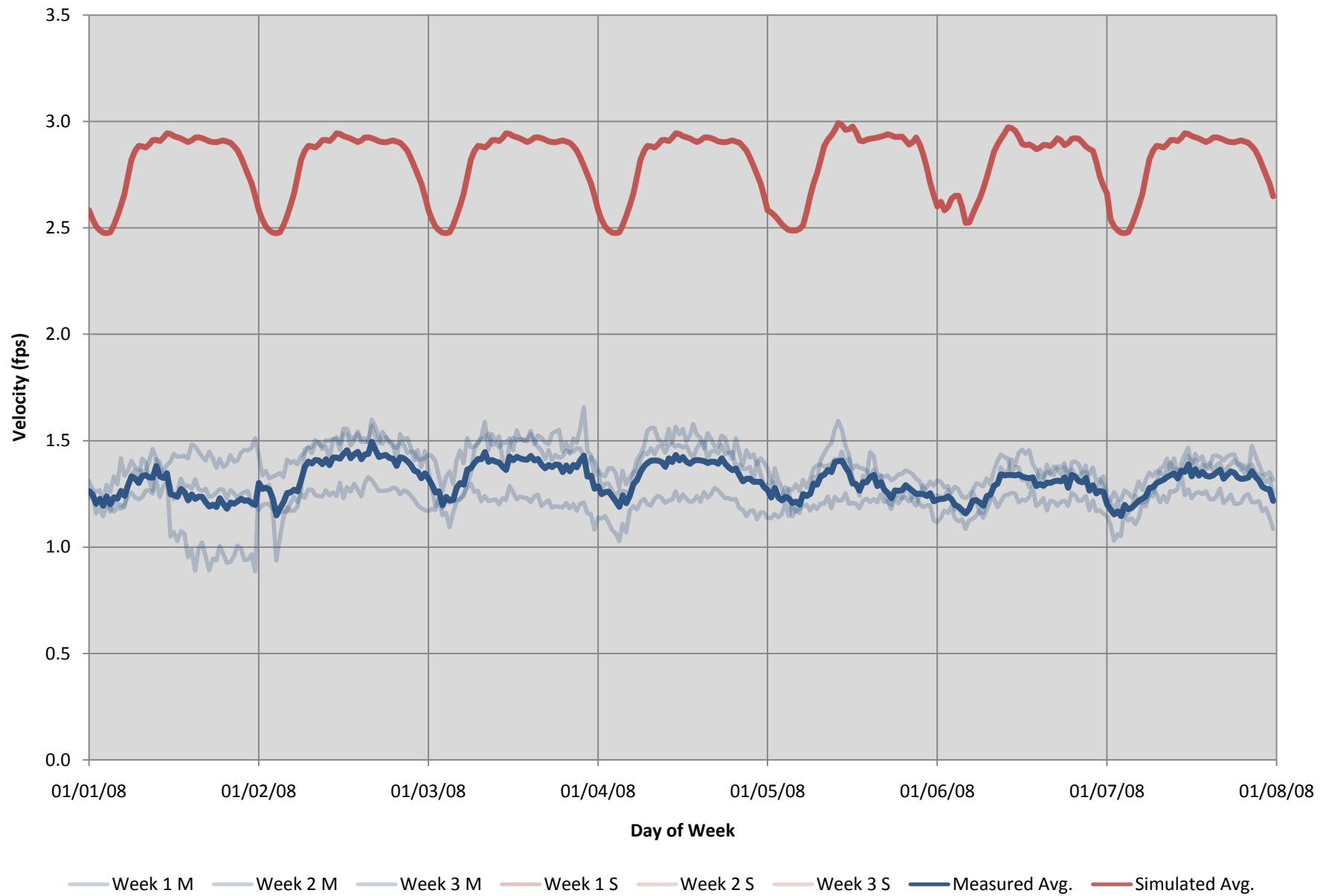
## LL45 DWF Calibration - Flow



## LL45 DWF Calibration - Depth



## LL45 DWF Calibration - Velocity

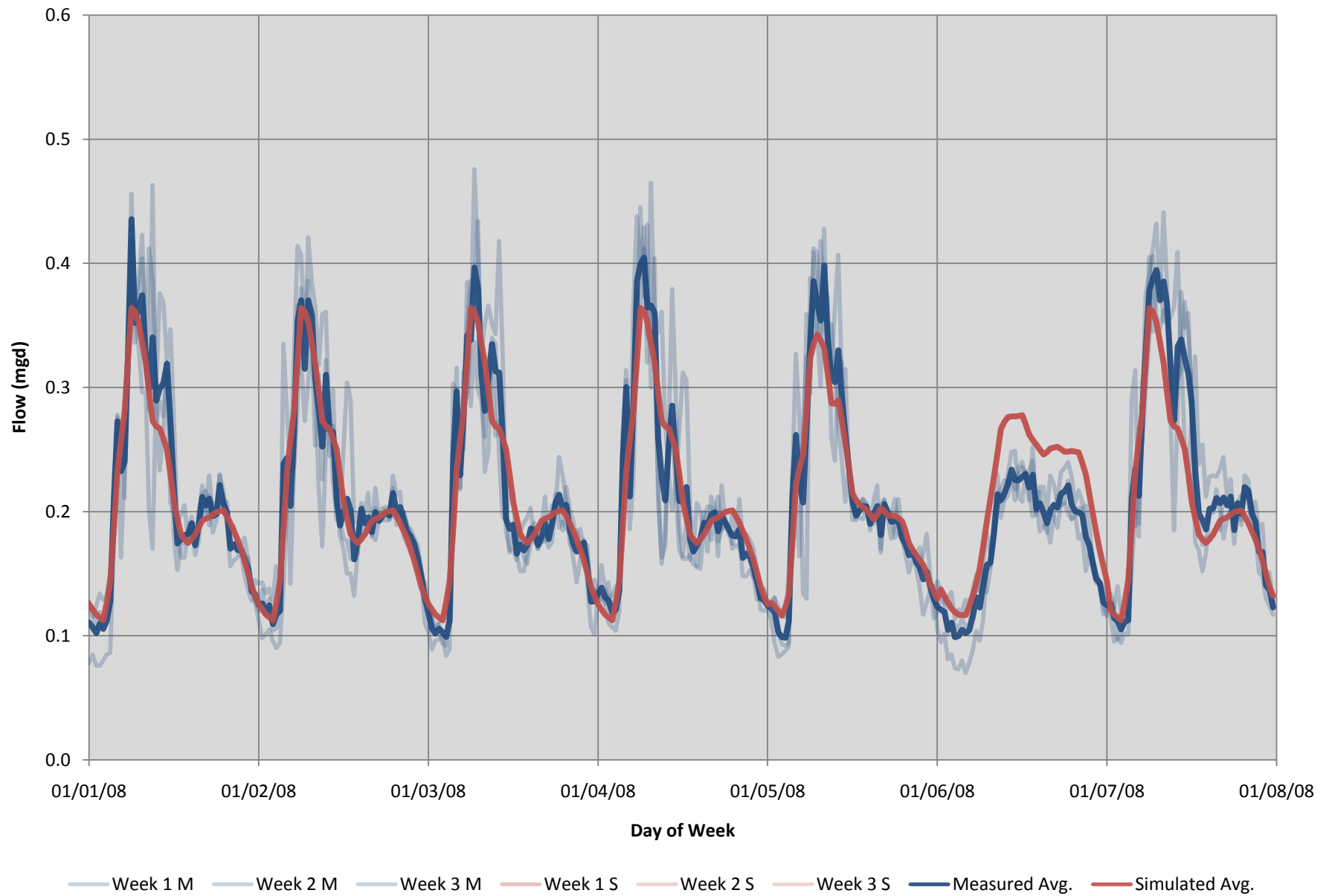


LL46 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.35	0.35	0.35	0.35	0.41	0.41	0.38	0.40	-12.7%	20%	-10%
Average Flow	0.21	0.21	0.21	0.21	0.22	0.20	0.20	0.21	0.5%	20%	-10%
Total Volume	1.47	1.47	1.47	1.47	1.53	1.43	1.43	1.46	0.5%	20%	-10%

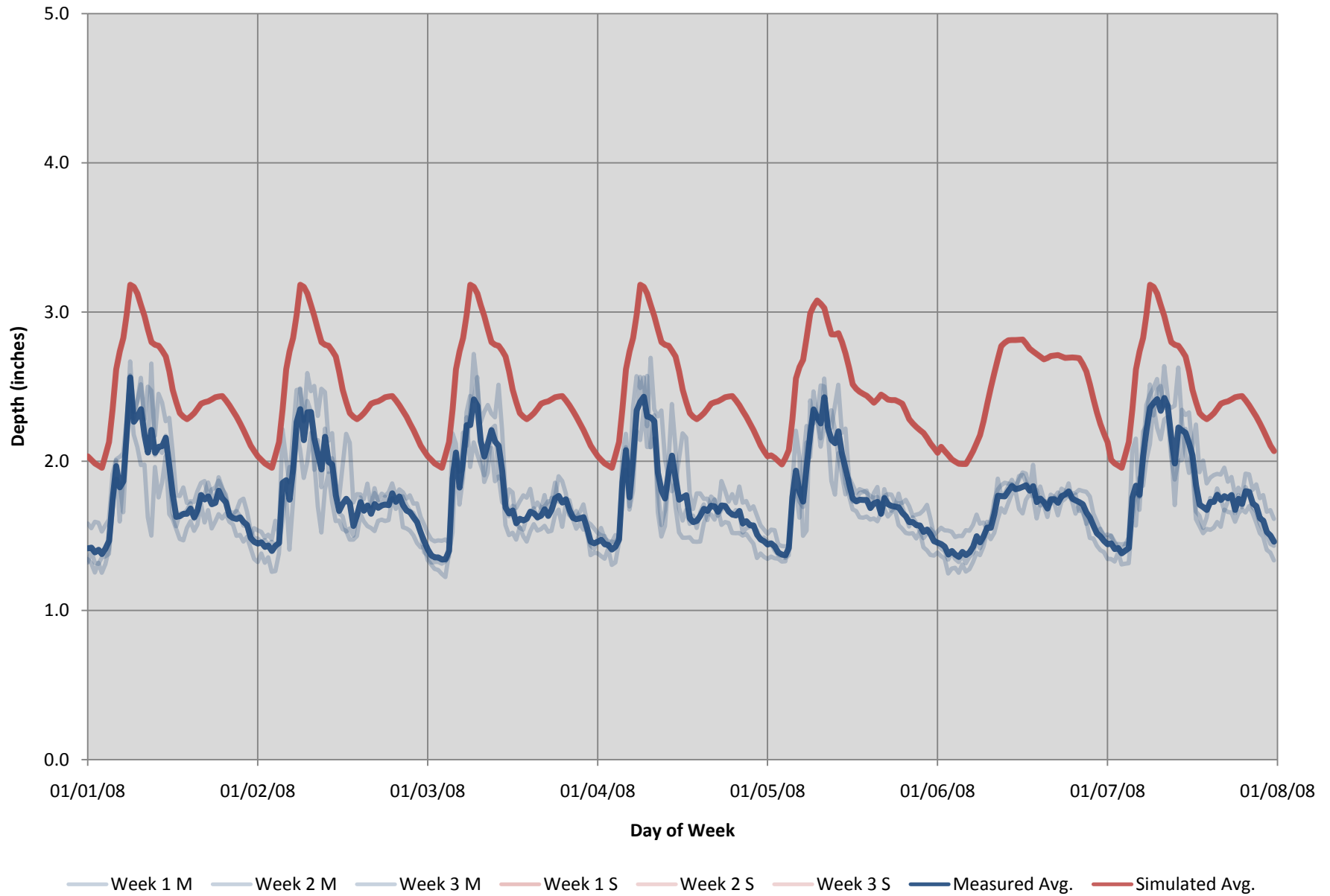
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.28	0.28	0.28	0.28	0.25	0.24	0.25	0.25
Monday	0.36	0.36	0.36	0.36	0.41	0.44	0.41	0.42
Tuesday	0.36	0.36	0.36	0.36	0.43	0.46	0.42	0.44
Wednesday	0.36	0.36	0.36	0.36	0.42	0.41	0.37	0.40
Thursday	0.36	0.36	0.36	0.36	0.48	0.43	0.39	0.43
Friday	0.36	0.36	0.36	0.36	0.47	0.45	0.41	0.44
Saturday	0.34	0.34	0.34	0.34	0.43	0.42	0.41	0.42

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LL46 DWF Calibration - Flow

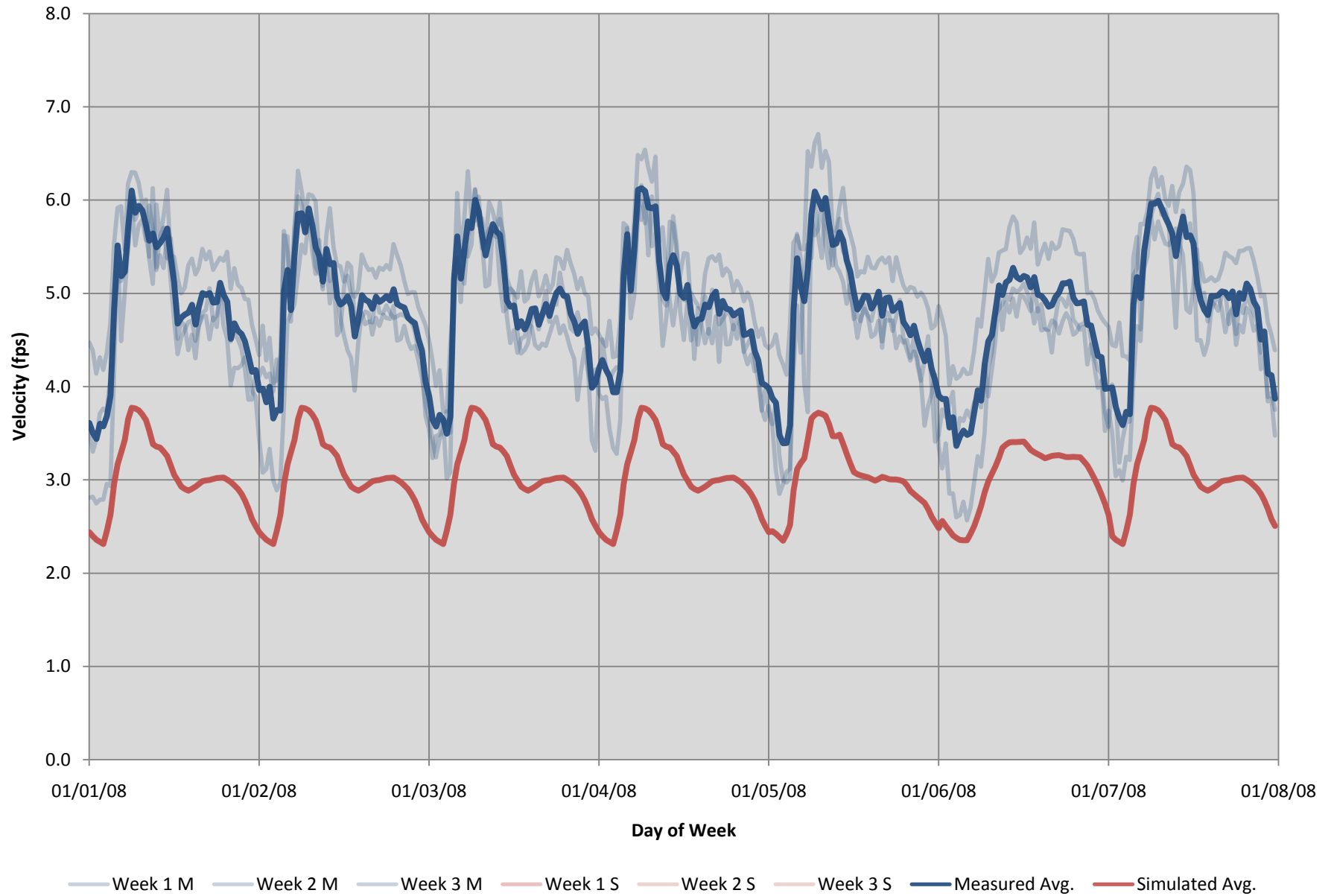


## LL46 DWF Calibration - Depth





## LL46 DWF Calibration - Velocity

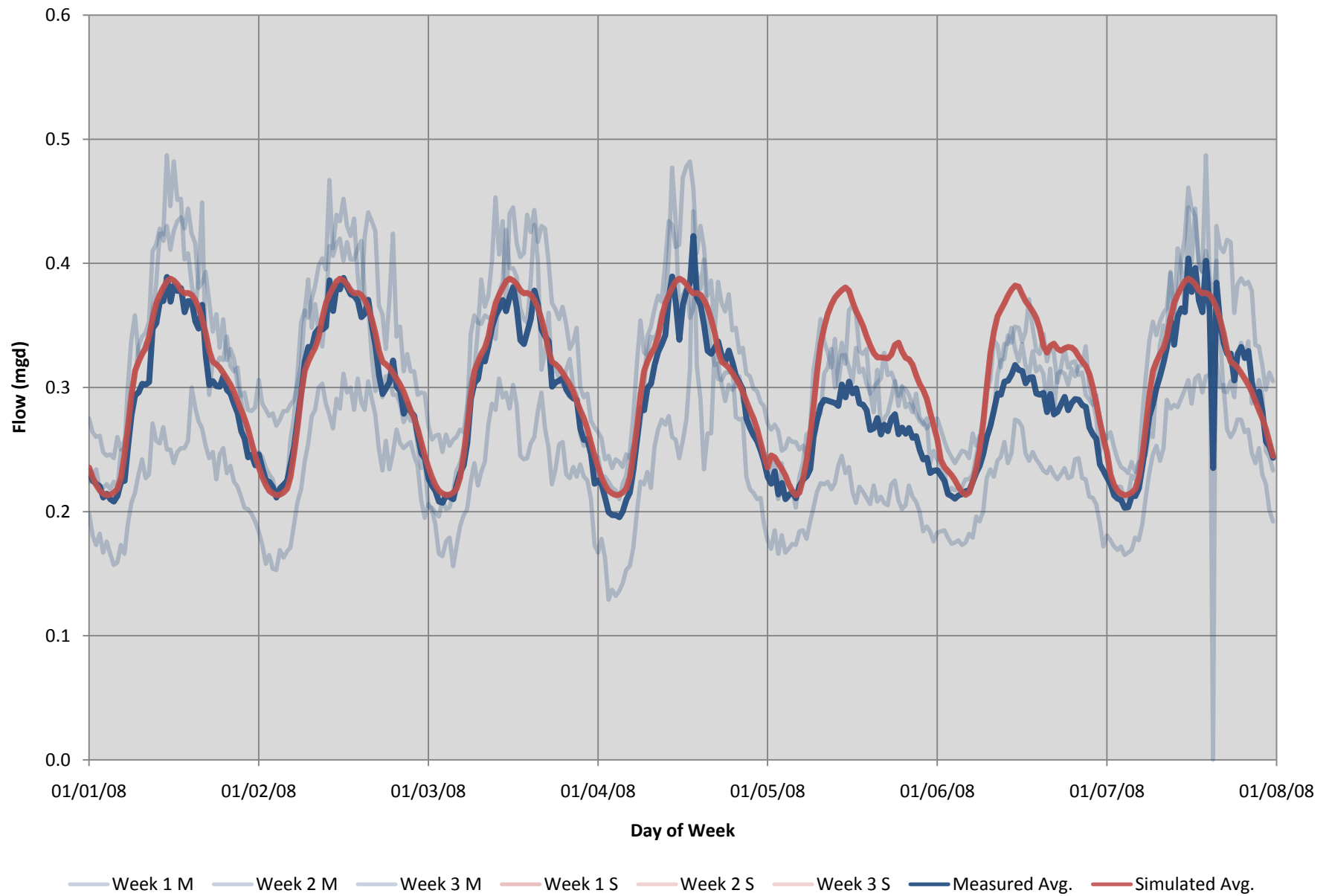


LL47 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.39	0.39	0.39	0.39	0.32	0.44	0.43	0.40	-2.3%	20%	-10%
Average Flow	0.31	0.31	0.31	0.31	0.23	0.33	0.31	0.29	6.2%	20%	-10%
Total Volume	2.15	2.15	2.15	2.15	1.61	2.30	2.16	2.02	6.2%	20%	-10%

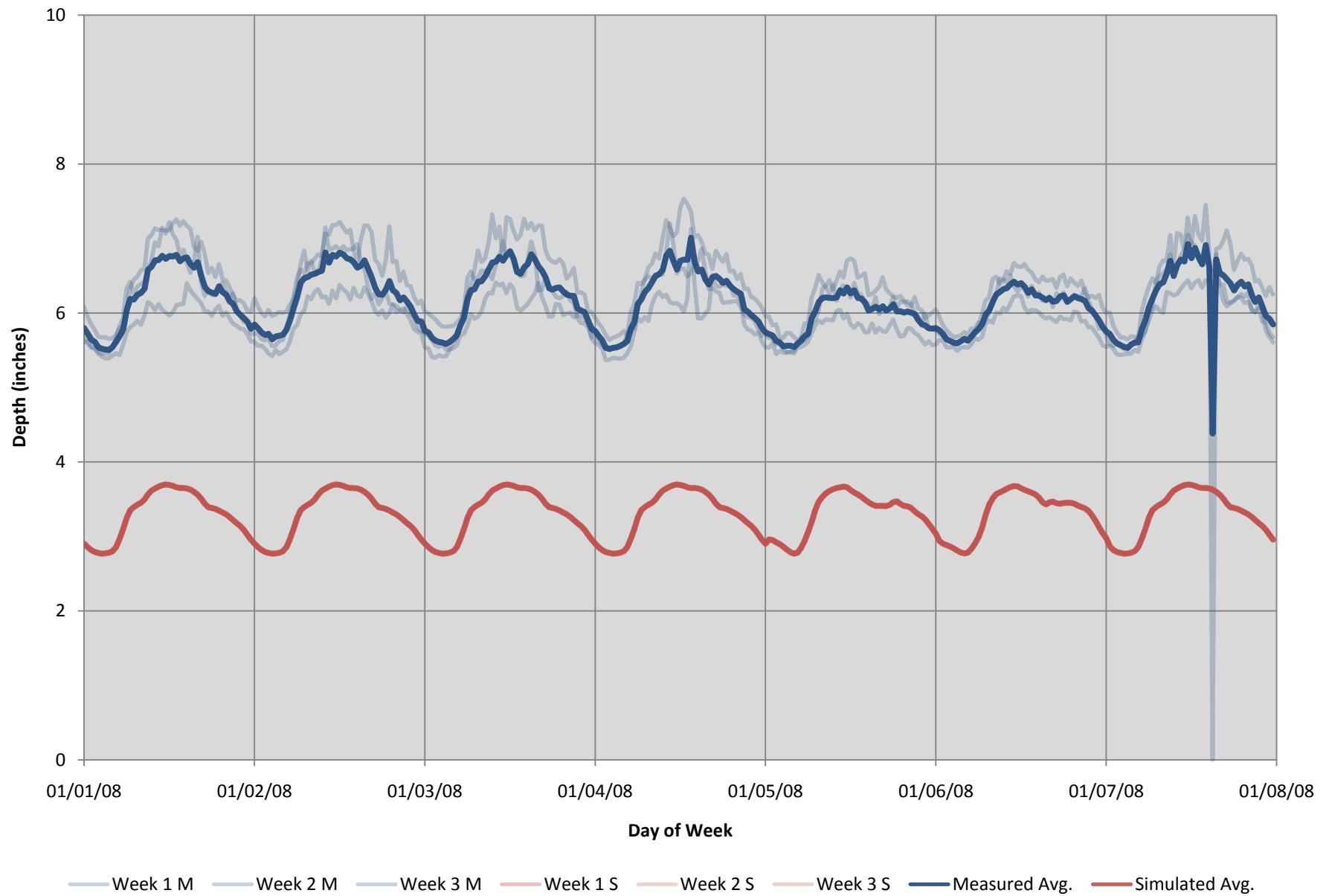
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.38	0.38	0.38	0.38	0.27	0.37	0.35	0.33
Monday	0.39	0.39	0.39	0.39	0.34	0.49	0.46	0.43
Tuesday	0.39	0.39	0.39	0.39	0.30	0.44	0.49	0.41
Wednesday	0.39	0.39	0.39	0.39	0.31	0.45	0.47	0.41
Thursday	0.39	0.39	0.39	0.39	0.31	0.45	0.43	0.40
Friday	0.39	0.39	0.39	0.39	0.44	0.48	0.48	0.47
Saturday	0.38	0.38	0.38	0.38	0.25	0.37	0.36	0.32

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

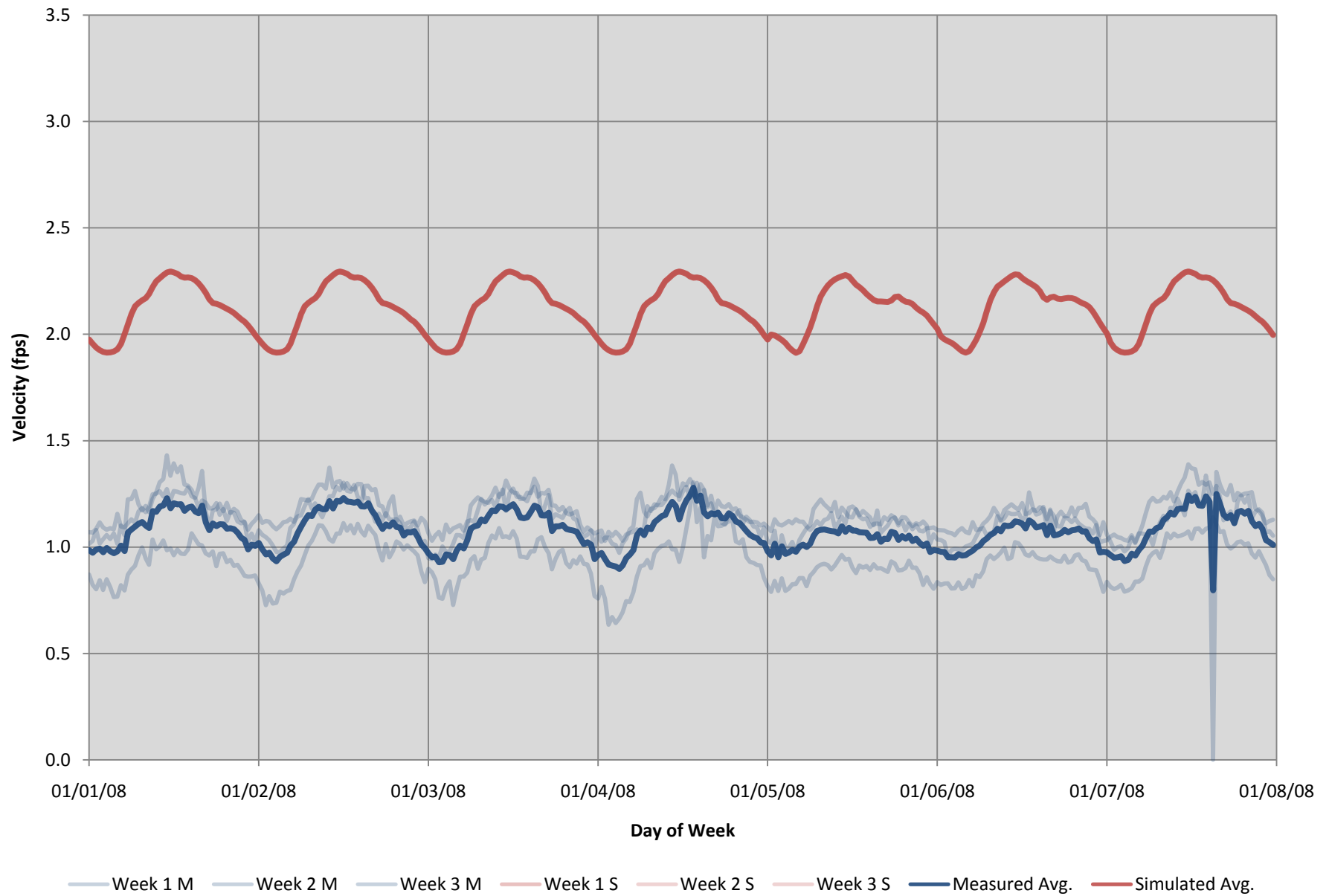
## LL47 DWF Calibration - Flow



## LL47 DWF Calibration - Depth



## LL47 DWF Calibration - Velocity

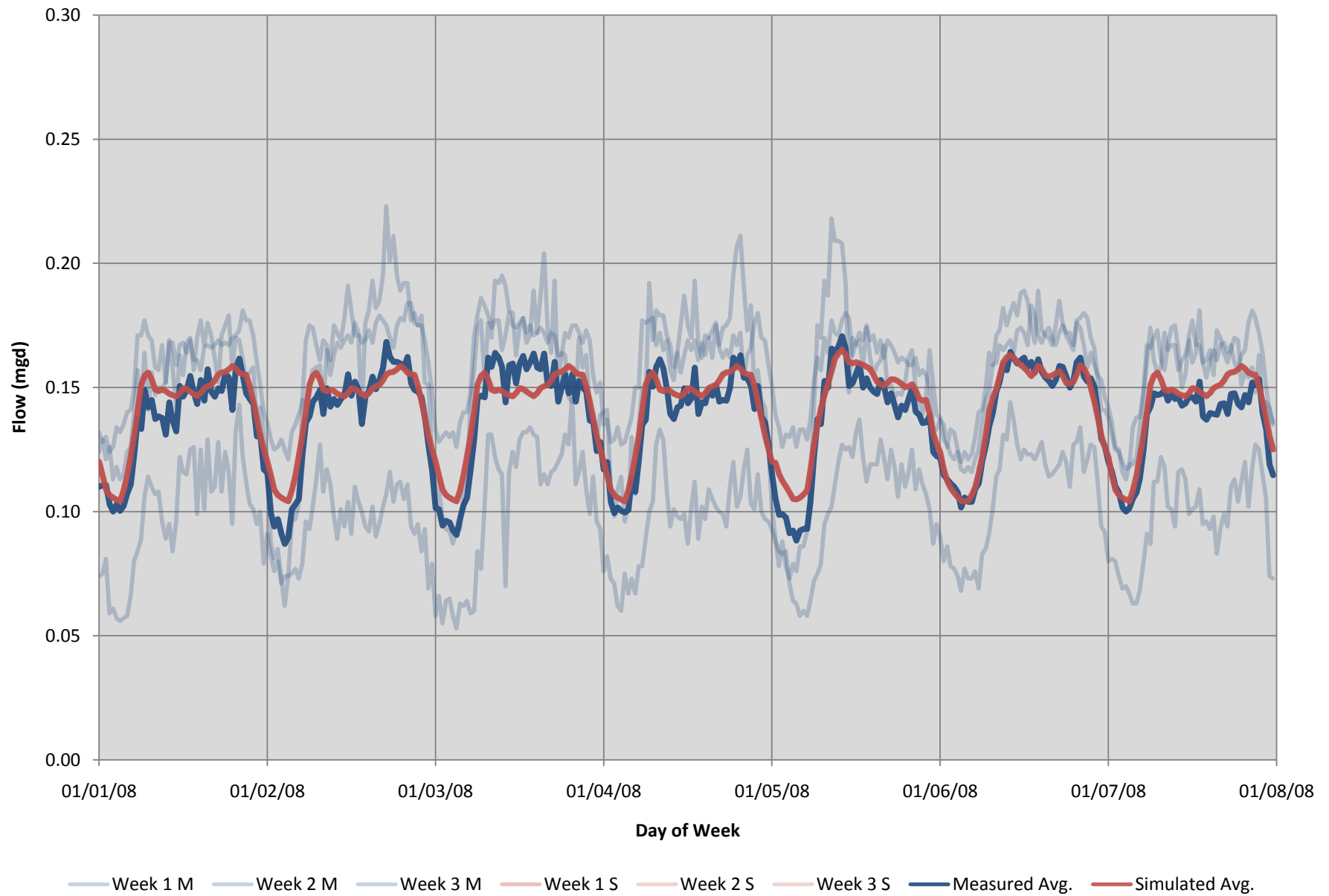


LLS11 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	0.16	0.16	0.16	0.16	0.20	0.14	0.18	0.17	-7.5%	20%	-10%
Average Flow	0.14	0.14	0.14	0.14	0.15	0.10	0.16	0.14	2.6%	20%	-10%
Total Volume	0.99	0.99	0.99	0.99	1.07	0.70	1.12	0.96	2.6%	20%	-10%

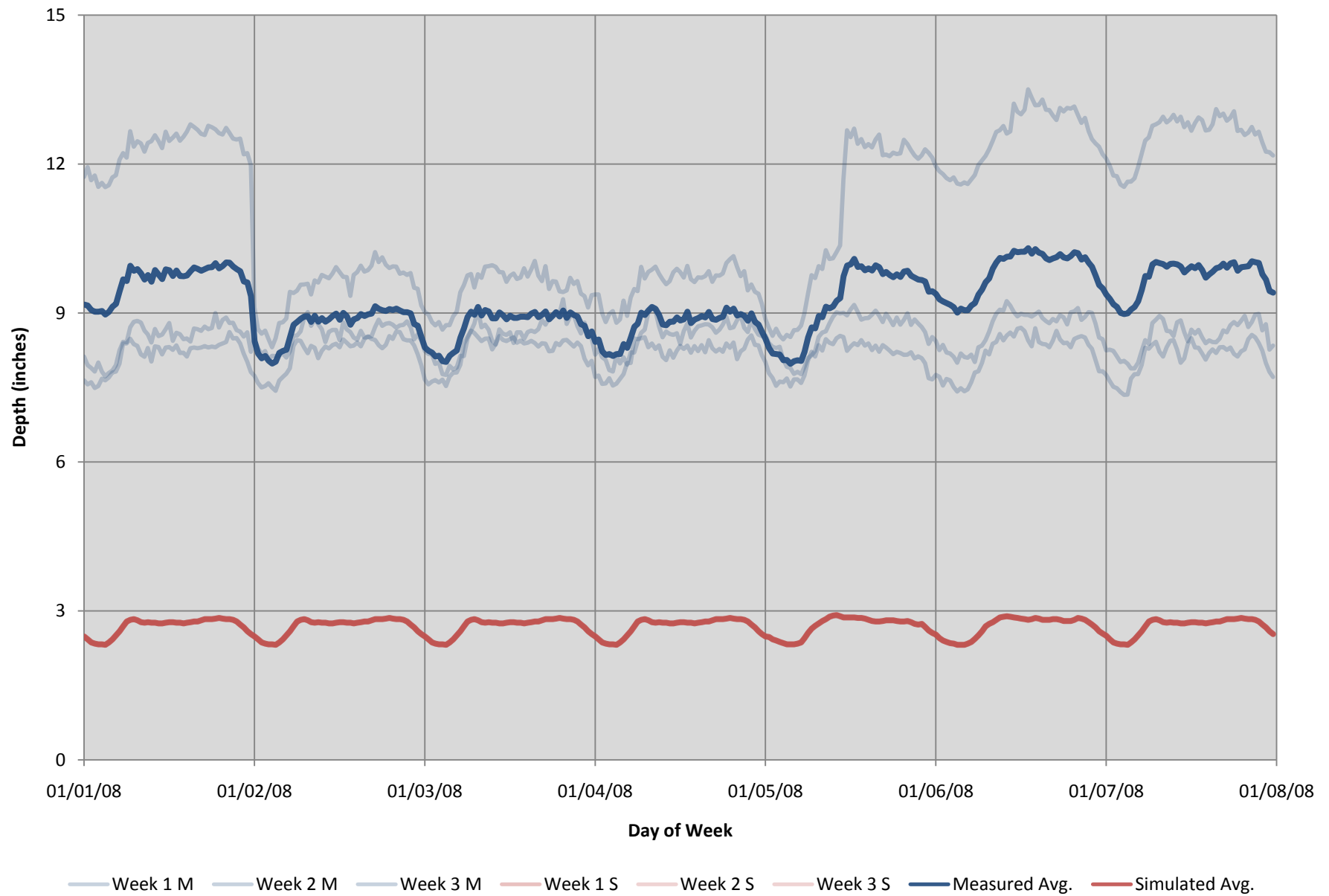
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	0.16	0.16	0.16	0.16	0.18	0.14	0.19	0.17
Monday	0.16	0.16	0.16	0.16	0.18	0.13	0.18	0.16
Tuesday	0.16	0.16	0.16	0.16	0.18	0.14	0.18	0.17
Wednesday	0.16	0.16	0.16	0.16	0.22	0.13	0.18	0.18
Thursday	0.16	0.16	0.16	0.16	0.20	0.15	0.19	0.18
Friday	0.16	0.16	0.16	0.16	0.21	0.13	0.18	0.17
Saturday	0.17	0.17	0.17	0.17	0.22	0.14	0.18	0.18

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## LLS11 DWF Calibration - Flow

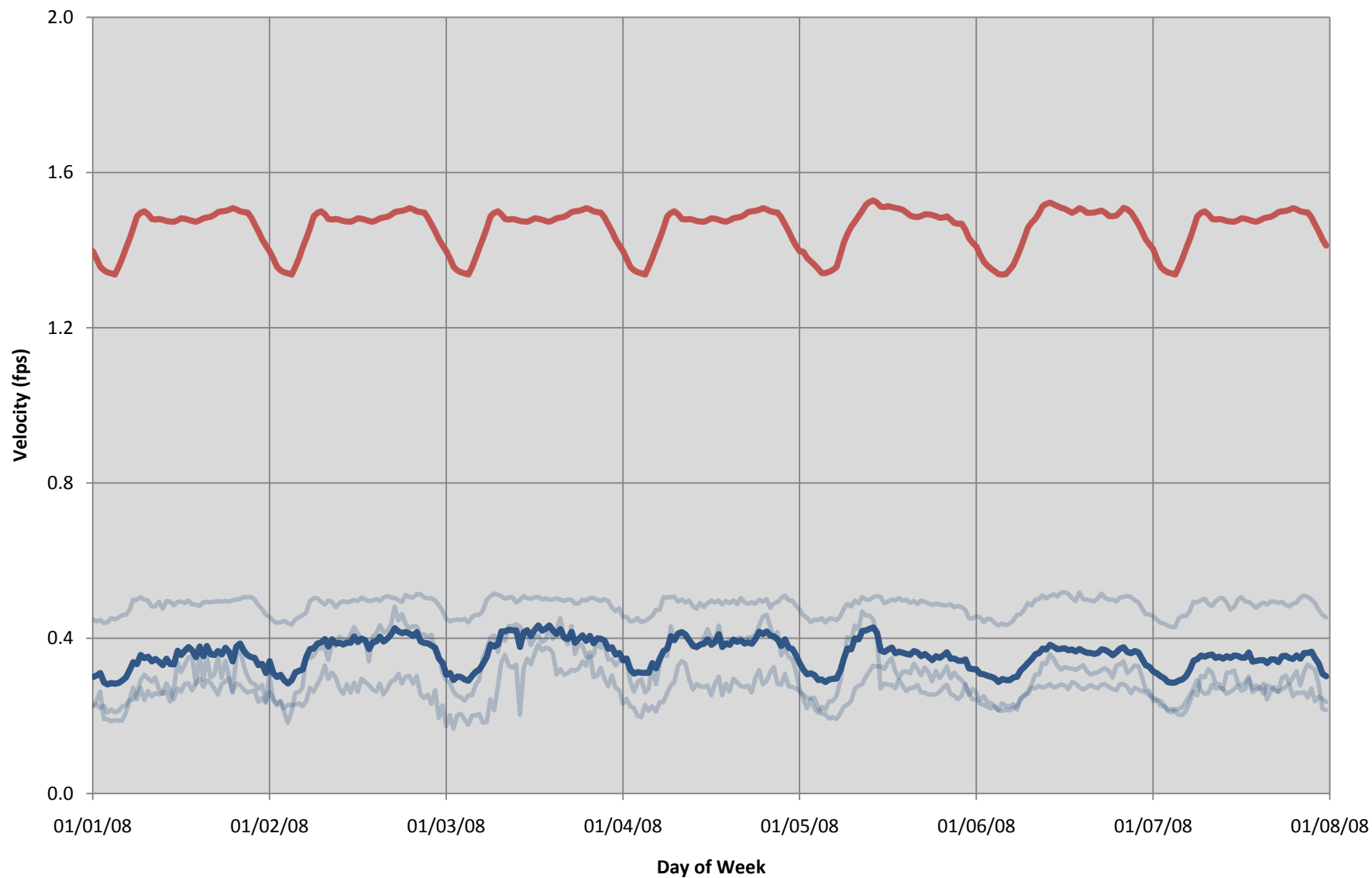


## LLS11 DWF Calibration - Depth





## LLS11 DWF Calibration - Velocity



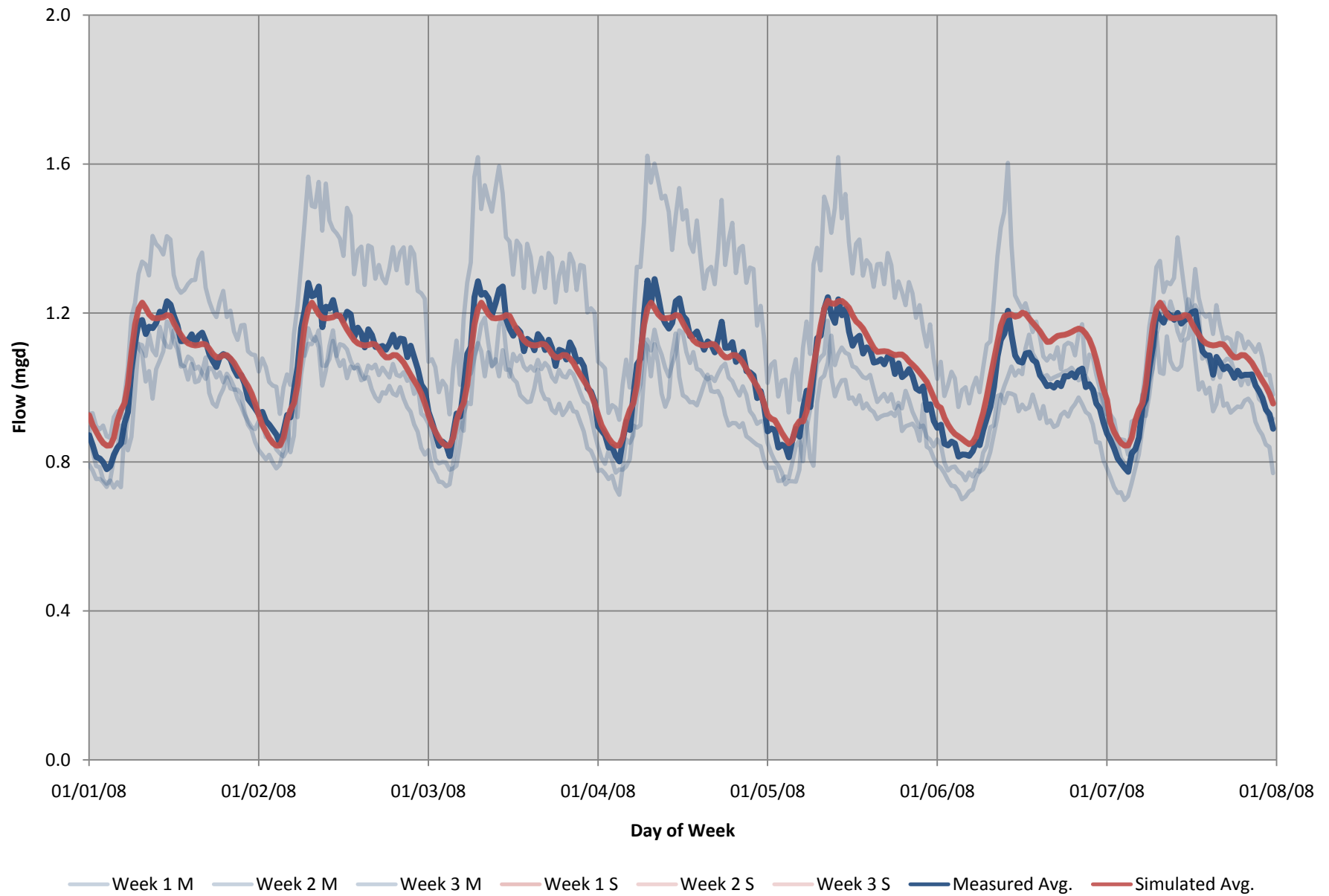
Week 1 M Week 2 M Week 3 M Week 1 S Week 2 S Week 3 S Measured Avg. Simulated Avg.

TSL06 DWF Calibration Statistics											
Category	Simulated Results				Measured Results				% Error	Allowable Error	
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average		High	Low
Avg. Peak Flow	1.22	1.22	1.22	1.22	1.55	1.17	1.13	1.28	-4.6%	20%	-10%
Average Flow	1.06	1.06	1.06	1.06	1.22	0.98	0.94	1.05	1.6%	20%	-10%
Total Volume	7.44	7.44	7.44	7.44	8.55	6.88	6.55	7.33	1.6%	20%	-10%

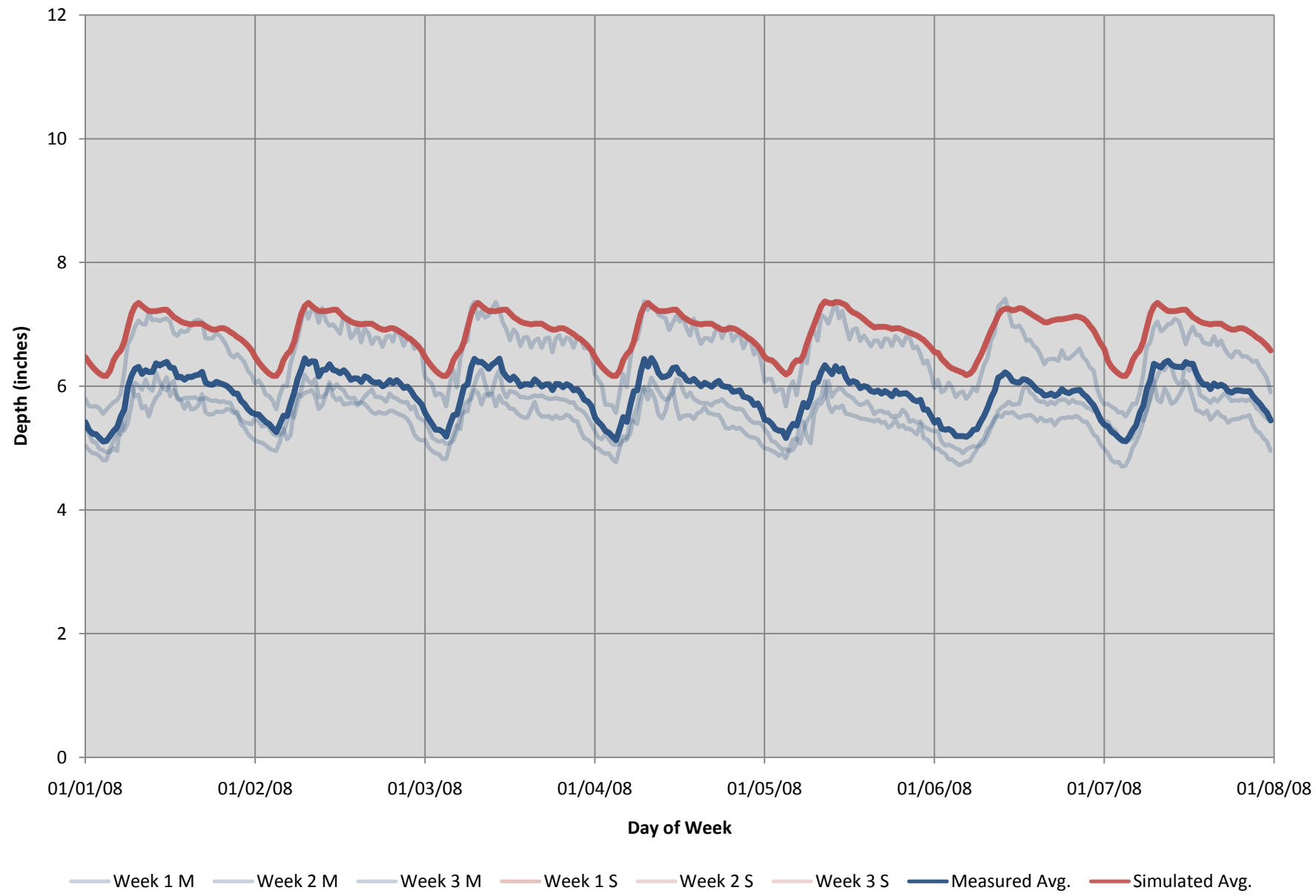
DWF Daily Peak Flows								
Day of Week	Simulated Results				Measured Results			
	Week 1	Week 2	Week 3	Average	Week 1	Week 2	Week 3	Average
Sunday	1.20	1.20	1.20	1.20	1.60	1.14	0.99	1.24
Monday	1.23	1.23	1.23	1.23	1.40	1.24	1.18	1.27
Tuesday	1.23	1.23	1.23	1.23	1.41	1.16	1.18	1.25
Wednesday	1.23	1.23	1.23	1.23	1.57	1.16	1.15	1.29
Thursday	1.23	1.23	1.23	1.23	1.62	1.19	1.12	1.31
Friday	1.23	1.23	1.23	1.23	1.62	1.16	1.15	1.31
Saturday	1.23	1.23	1.23	1.23	1.62	1.14	1.18	1.31

Dry Weather Weeks		
Week 1	08/16/06	08/23/06
Week 2	12/06/06	12/13/06
Week 3	05/01/07	05/08/07

## TSSL06 DWF Calibration - Flow



TSSL06 DWF Calibration - Depth



## TSSL06 DWF Calibration - Velocity

